CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, March 29, 1906.

CONTENTS.

CONSTRUCTION NEWS:
Plans and Specifications on File 111
List of Contracts Pending 111
Railways 112
Electric Railways 112
Light and Power Plants 113
Bridges 113
Buildings 113
Water Supply and Irrigation 114
Sewerage 115
Garbage Disposal 115
Streets and Roads 115
Manufacturing Plants 116
Miscellaneous Contracts 116
U. S. Possessions and Cuba 116
Foreign Contracts and Export News 117
CIVIL SERVICE EXAMINATIONS 117
INDUSTRIAL NOTES 117
PROPOSALS 117-118

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
Mar.				
*30	Bridge	Port Huron, Mich	P. & S.	2-15
*30	Lock gates	Pittsburg, Pa	S. & B. S.	3-1
30	Curbing	Holyoke, Mass	S.	3-29
31	Power house	New Orleans, La	S.	3-8
31	Timber wharf	Bremerton, Wash	S.	3-1
31	Power plant	New York	S.	3-1
31	Quay wall	Bremerton, Wash	S.	2-15
Apr.				
*1	Garbage disposal	Auburn, N.Y	S.	2-22
*2	Dredging	Philadelphia, Pa	S.	3-15
*2	Port works	Chile	P. & S.	5-4
2	Concrete bridges	Frankfort, Ind	S. & B. S.	3-15
5	Wharves	Manila, P. I.	P. & S.	12-14
7	R. R. track scale	Portsmth, N.H	S.	3-8
*9	Wharf	Guantanamo, Cuba	P. & S.	2-22
*11	Sewers	Georgetown, Ky	S. & B. S.	3-8
11	Intake pipe	Auburn, N. Y	S.	3-15
12	Cement	Glendive, Mont	S.	3-8
*12	Dam	Carlsbad, N. Mex	P. S. & B. S.	3-8
*12	Main canal, etc.	Glendive, Mont	P. S. & B. S.	3-8
14	Paving	Green Bay, Wis	S. & B. S.	3-8
14	Wharf	Charleston, S. C	S.	3-22
*16	Main canal	Boise, Idaho	P. S. & B. S.	3-8
16	Light & power plant	New York	P. S. & B. S.	2-22
19	Suction dredges	Panama	S. & B. S.	3-15
*19	Sewers	Pensacola, Fla	P. S. & B. S.	3-22
26	Engines	Philadelphia, Pa	S.	3-22
28	Building	Portsmouth, N. H	S.	3-29
28	Building	Charleston, S. C	S.	3-22

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

Bids close.	Work.	Place.	On file.	See issue.
	LIGHT, HEAT AND POWER PLANTS.			
Mar. 31	Power house	New Orleans, La		Mar. 8
Apr. 2	Electric equipment	New York, N. Y.		Mar. 22
Apr. 3	Electric supplies	Charleston, S. C		Mar. 29
Apr. 3	Street lighting	Philadelphia, Pa		Mar. 29
Apr. 4	Transmission line poles	Chicago, Ill		Feb. 8
	Advertised, Eng. News, Feb. 8.			
Apr. 9	Light & power plant	Fullerton, Cal		Mar. 1
Apr. 9	Light plant	Rockmart, Ga		Mar. 29
Apr. 10	Power plant	Danville, Pa		Mar. 22
	Advertised, Eng. News, Mar. 22 and 29.			
Apr. 14	Light plant	Grand Island, Neb		Mar. 29
Apr. 16	Light & power plant	New York, N. Y.		Feb. 22
Apr. 30	Power plant for sale	Erindale, Ont		Mar. 22
	Advertised, Eng. News, Mar. 22 to Apr. 5.			
No date	Gas pipe line	Cincinnati, O		Feb. 15
No date	Power plant	Goodwater, Ala		Mar. 1
	BRIDGES.			
Mar. 29	Superstructure	Dayton, O		Mar. 15
Mar. 30	Viaduct	Columbus, O		Mar. 15
Mar. 30	Bridge	Port Huron, Mich		Feb. 15
	Advertised, Eng. News, Feb. 15 to Mar. 15.			
Mar. 30	Bridges, culverts	Indianapolis, Ind		Mar. 29
Mar. 31	Bridge	Custer, S. Dak		Jan. 25
Apr. 2	Concrete bridges	Frankfort, Ind		Mar. 15
Apr. 2	Bridges	Rensselaer, Ind		Mar. 29
Apr. 3	Bridge	Garner, Ia		Mar. 29
Apr. 3	Bridges	Grand Forks, N. Dak		Mar. 15
Apr. 3	Bridges	Crawfordsville, Ind		Mar. 15
Apr. 3	Bridge	Colfax, Wash		Mar. 1
Apr. 4	Bridge	Nevada City, Cal		Feb. 15
Apr. 4	Concrete bridge	Denver, Colo		Mar. 15
	Advertised, Eng. News, Mar. 15 and 22.			
Apr. 4	Steel and concrete bridges	Cleveland, O.		Mar. 22
Apr. 4	Bridges	Wabash, Ind		Mar. 29
Apr. 4	Bridge	Calhoun, Ga		Mar. 29
Apr. 5	Bridges	Fort Pierre, S. Dak		Mar. 29
Apr. 6	Bridges	Goldendale, Wash		Mar. 8
Apr. 6	Ferry bridges	New York, N. Y.		Mar. 29
Apr. 6	Bridge	Tacoma, Wash		Mar. 29
Apr. 7	Bridge	O'Neill, Neb		Mar. 29
Apr. 10	Steel bridge	Coeur D'Alene, Idaho		Mar. 15
Apr. 28	Bridges	Garden City, Kan		Mar. 29
	Advertised, Eng. News, Mar. 29 to Apr. 19.			
Apr. 30	Iron draw-bridge	Belzona, Miss		Mar. 15
	Advertised, Eng. News, Mar. 15 to Apr. 19.			
	BUILDINGS.			
Mar. 30	School	Fullerton, Cal		Feb. 22
Apr. 1	Laundry	Warren, O		Feb. 22
Apr. 2	Marble, mosaic, tile work	Chicago, Ill		Mar. 15
Apr. 3	Building	Pierre, S. Dak		Feb. 15
Apr. 3	Jail	Mobile, Ala		Mar. 8
Apr. 4	Hospital building	Utica, N. Y.		Mar. 22
	Advertised, Eng. News, Mar. 22 and 29.			
Apr. 4	Building, Agricultural College	Mich		Mar. 29
Apr. 4	School	Fall River, Mass		Mar. 29
Apr. 5	School	Buffalo, N. Y.		Mar. 29
Apr. 5	Library	San Mateo, Cal		Mar. 22
Apr. 5	Court-house	Newton, Kan		Mar. 15
Apr. 6	Court-house	Ocala, Fla		Mar. 22
Apr. 6	Mosaic ceilings	New York, N. Y.		Mar. 29
Apr. 7	Building	Seattle, Wash		Mar. 29
Apr. 9	School	Trenton, N. J.		Mar. 29
Apr. 10	Hotel	Fernandina, Fla		Mar. 22
Apr. 10	Buildings	New York, N. Y.		Mar. 15
Apr. 11	School	Donaldsonville, Fla		Mar. 29
Apr. 14	Lighting fixtures	Cheyenne, Wyo		Mar. 15
	Advertised, Eng. News, Mar. 15 to 29, Apr. 12			
Apr. 14	Hospital, storehouse	Delaware City, Del		Mar. 22
Apr. 16	Shelters	Delaware City, Del		Mar. 22
	Advertised, Eng. News, Mar. 22 to Apr. 5.			
Apr. 16	School	Cleveland, O		Mar. 29
Apr. 17	Building	Tallahassee, Fla		Mar. 29
Apr. 21	Mech equipment	Washington, D. C		Mar. 22
	Advertised, Eng. News, Mar. 22 to Apr. 12.			
Apr. 28	Building	Charleston, S. C		Mar. 22
Apr. 28	Building	Portsmouth, N. H		Mar. 29
Sept. 15	Hotel	Manila, P. I.		Mar. 29
	WATER SUPPLY AND IRRIGATION.			
Mar. 31	Water mains	Seattle, Wash		Mar. 29
Apr. 2	Water meters	Victoria, B. C		Mar. 29
Apr. 2	Driving well	Tiffin, Ga		Mar. 29
Apr. 2	Water pipe, etc.	Cincinnati, O		Mar. 22
Apr. 3	Steel tank	Philippine Islands		Mar. 15
Apr. 3	Water mains	Sebastopol, Cal		Mar. 29
Apr. 4	Cast-iron pipe	Providence, R. I.		Mar. 29
	Advertised, Eng. News, Mar. 29.			
Apr. 4	Water mains, etc.	New York, N. Y.		Mar. 22
Apr. 9	Cast-iron pipe	Orange, N. J.		Mar. 22
	Advertised, Eng. News, Mar. 22 and 29.			
Apr. 10	Laying water mains	Cincinnati, O		Mar. 22
Apr. 10	Water-works extens'n	Hattiesburg, Miss		Mar. 29
	Advertised, Eng. News, Mar. 29.			
Apr. 11	Water meters	Portland, Ore		Mar. 29
Apr. 11	Intake pipe	Auburn, N. Y.		Mar. 15
	Advertised, Eng. News, Mar. 15 to Apr. 4.			
Apr. 11	Water mains	Salt Lake City, Utah		Mar. 15
	Advertised, Eng. News, Mar. 15 to 29.			
Apr. 12	Pump	Yonkers, N. Y.		Mar. 22
	Advertised, Eng. News, Mar. 22.			
Apr. 13	Water extension	Ft. Meyer, Va		Mar. 22
Apr. 14	Sewer & water systems	Honolulu, H. T.		Mar. 15
Apr. 16	Filter extension	Columbus, Ind		Mar. 15
Apr. 16	Artesian well	Galesburg, Ill		Mar. 15
	Advertised, Eng. News, Mar. 15.			
Apr. 16	Infiltration gallery	Columbus, Ind		Mar. 22
	Advertised, Eng. News, Mar. 22.			
Apr. 16	Water tank	Athens, Ala		Mar. 29
Apr. 18	Water pipe	Asbury Park, N. J.		Mar. 29
	Advertised, Eng. News, Mar. 29 and Apr. 5.			
Apr. 24	Water system	Roff, Ind. T.		Mar. 29
	Advertised, Eng. News, Mar. 29 to Apr. 12.			
Apr. 26	Engines, etc.	Philadelphia, Pa		Mar. 22
	Advertised, Eng. News, Mar. 22 and 29 and Apr. 19.			
No date	Dam	Marietta, Ga		Mar. 29
No date	Water-works franchise	Cloquet, Minn		Mar. 29
No date	Irrigation ditch	Harlingen, Tex		Mar. 29
	SEWERAGE.			
Mar. 30	Brick sewers	Mt. Clemens, Mich		Mar. 15
Mar. 30	Sewers	Waukesha, Wis		Mar. 29
Mar. 31	Sewers	New Orleans, La		Mar. 29
Mar. 31	Sewerage	Erie, Pa		Mar. 8
Apr. 2	Sewers	McCook, Neb		Mar. 22
Apr. 2	Tile sewers	Cortland, N. Y.		Mar. 22
	Advertised, Eng. News, Mar. 22.			
Apr. 2	Sewers	Montgomery, Ala		Mar. 29
Apr. 2	Sewers	New York, N. Y.		Mar. 29
Apr. 3	Sewers	Springfield, Mo		Mar. 29
Apr. 3	Sewers	Omaha, Neb		Mar. 29
Apr. 3	Storm sewer	Chillicothe, O		Mar. 15
Apr. 4	Sewers	New York, N. Y.		Mar. 22
Apr. 5	Sewers	Paterson, N. J.		Mar. 22
Apr. 5	Trunk sewers	Salem, Mass		Mar. 22
	Advertised, Eng. News, Mar. 22 and 29.			
Apr. 5	Sewer pipe	Boise City, Idaho		Mar. 22
	Advertised, Eng. News, Mar. 8 to 29.			
Apr. 5	Sewers	Birmingham, Ala		Mar. 29
Apr. 5	Sewers	Buffalo, N. Y.		Mar. 29
Apr. 7	Sewer	Cleveland, O		Mar. 29
Apr. 9	Sewers	Oskaloosa, Ia		Mar. 29
Apr. 10	Sewers	New Britain, Conn		Mar. 29
	Advertised, Eng. News, Mar. 29 and Apr. 5.			
Apr. 10	Sewers	Hattiesburg, Miss		Mar. 29
	Advertised, Eng. News, Mar. 29.			
Apr. 11	Sewers	Pipestone, Minn		Mar. 29
Apr. 11	Storm sewers	Ann Arbor, Mich		Mar. 29
Apr. 11	Pipe sewers	Salt Lake City, Utah		Mar. 15
	Advertised, Eng. News, Mar. 15 to 29.			
Apr. 11	Sewers	Georgetown, Ky		Mar. 8
	Advertised, Eng. News, Mar. 8.			
Apr. 14	Sewers	Roanoke, Va		Mar. 29
Apr. 16	Sewers	Oshkosh, Wis		Mar. 29
Apr. 19	Sewers	Pensacola, Fla		Mar. 8
	STREETS AND ROADS.			
Mar. 29	Paving	Ft. Wayne, Ind		Mar. 15
Mar. 30	Curbing	Holyoke, Mass		Mar. 29
Mar. 30	Curbing	Holyoke, Mass		Mar. 29
Mar. 31	Paving	Sherman, Tex		Mar. 29
Mar. 31	Paving	Superior, Wis		Mar. 22
Apr. 2	Grading and curbing	Lawrence, Kan		Mar. 22
Apr. 2	Macadam road	Rochester, N. H		Mar. 22
Apr. 2	Roads	Valparaiso, Ind		Mar. 22
Apr. 2	Roads	Brookville, Ind		Mar. 22
Apr. 2	Gravel roads	Greensburg, Ind		Mar. 22
Apr. 2	Macadam road	St. Paul, Minn		Mar. 22
Apr. 2	Stone road	Youngstown, O		Mar. 22
Apr. 2	Road work	Port Gibson, Miss		Mar. 22
Apr. 2	Paving	Columbus, Ga		Mar. 22
Apr. 2	Road	Leavenworth, Wash		Feb. 8
Apr. 2	Asphalt paving	Green Bay, Wis		Mar. 8
Apr. 2	Grading and paving	New York, N. Y.		Mar. 29
Apr. 2	Paving	Burlington, Ia		Mar. 29
Apr. 2	Stone road	Findlay, O		Mar. 22
Apr. 2	Filling with earth	Jacksonville, Fla		Mar. 29
Apr. 3	Paving	South Bend, Ind		Mar. 29
Apr. 3	Macadam or gravel rds	Owensboro, Ky		Mar. 29
Apr. 3	Sidewalks	Ittabena, Miss		Mar. 29
Apr. 3	Repaving	Buffalo, N. Y.		Mar. 29
Apr. 3	Repaving	Buffalo, N. Y.		Mar. 29
Apr. 3	Paving	Auburn, N. Y.		Mar. 22
	Advertised, Eng. News, Mar. 22.			
Apr. 4	Gravel road	Paoli, Ind		Mar. 22
Apr. 4	Sidewalks and grading	New York, N. Y.		Mar. 22
Apr. 4	Grading	Newburg, O		Mar. 15
Apr. 4	Repairing roads	Huntington, W. Va		Mar. 29
Apr. 5	Granite paving blocks	New York, N. Y.		Mar. 29
Apr. 5	Roads	Chandler, Okla		Mar. 29
Apr. 5	Curbing and sidewalks	Charleston, S. C.		Mar. 29
Apr. 5	Sidewalks	New York, N. Y.		Mar. 22
Apr. 5	Gravel roads	Hebron, Conn		Mar. 29
Apr. 6	Paving and curb	Plattsburg, N. Y.		Mar. 29
Apr. 6	Sidewalk composition	Holyoke, Mass		Mar. 22
	Advertised, Eng. News, Mar. 22.			
Apr. 6	Sidewalks	Lebanon, O		Mar. 22
Apr. 7	Street improvements	Stevens Point, Wis		Mar. 22
Apr. 7	Asphalt paving	Grand Rapids, Mich		Mar. 29
Apr. 7	Improving streets	Cleveland, O		Mar. 29
Apr. 9	Paving	Lansing, Mich		Mar. 29
Apr. 9	Gravel roads	Valparaiso, Ind		Mar. 29
Apr. 9	Road work	San Francisco, Cal		Mar. 22
Apr. 9	Paving	Binghamton, N. Y.		Mar. 22
	Advertised, Eng. News, Mar. 22 and 29.			
Apr. 10	Sidewalks	Opelousas, La		Mar. 22
Apr. 10	Paving & curbing	Hattiesburg, Miss		Mar. 29
	Advertised, Eng. News, Mar. 29.			
Apr. 10	Paving	Watertown, Wis		Mar. 29
Apr. 11	Road machines	Houma, La		Mar. 29
Apr. 11	Cement sidewalks	Salt Lake City, Utah		Mar. 15
	Advertised, Eng. News, Mar. 15 to 29.			
Apr. 11	Grading & paving	Salt Lake City, Utah		Mar. 15
	Advertised, Eng. News, Mar. 15 to 29.			
Apr. 12	Cement	Brandon, Man		Mar. 22
Apr. 14	Paving	Green Bay, Wis		Mar. 22
	Advertised, Eng. News, Mar. 22 and 29.			
Apr. 14	Road work	Steubenville, O		Mar. 29
Apr. 14	Paving and sidewalks	Roanoke, Va		Mar. 29
Apr. 15	Sidewalks	North Branch, Mich		Mar. 29
Apr. 16	Stone roads	Rensselaer, Ind		Mar. 29
Apr. 16	Sidewalks	Bismark, N. Dak		Mar. 22
Apr. 17	Paving	La Crosse, Wis		Mar. 22
Apr. 19	Brick paving	Paris, Tex		Mar. 22
	Advertised, Eng. News, Mar. 22.			
No date	Sidewalks	Oberlin, Kan		Mar. 29
	MISCELLANEOUS CONTRACTS.			
At once	Steam shovel work	New York, N. Y.		Mar. 29
	Advertised, Eng. News, Mar. 29.			
Mar. 30	Spillway	San Francisco, Cal		Mar. 1
	Advertised, Eng. News, Mar. 1 to 22.			
Mar. 30	Lock gates	Pittsburg, Pa		Mar. 1
	Advertised, Eng. News, Mar. 1 to 22.			
Mar. 30	Slip	Honolulu, H. I.		Mar. 1
Mar. 30	Railroad tunnel, etc., Morehead & North Fork R. R.			Mar. 15
	Advertised, Eng. News, Mar. 15.			
Mar. 31	Timber wharf	Bremerton, Wash		Mar. 1
Mar. 31	Dredging	New London, Conn		Mar. 1
	Advertised, Eng. News, Mar. 1 to 22.			
Mar. 31	Ditch, etc.	Lewiston, Idaho		Mar. 1
	Advertised, Eng. News, Mar. 1 to 29.			
Mar. 31	Quay wall	Bremerton, Wash		Feb. 15
Apr. 1	Garbage disposal	Auburn, N. Y.		Feb. 22
	Advertised, Eng. News, Feb. 22 to Mar. 8.			
Apr. 1	Incinerating plant	Tampa, Fla		Mar. 15
	Advertised, Eng. News, Mar. 15 and 22.			
Apr. 1	Canal	Gunnison, Utah		Mar. 22
Apr. 2	Levee	Piggott, Ark		Mar. 15
Apr. 2	Dredging	Philadelphia, Pa		Mar. 15
	Advertised, Eng. News, Mar. 15 to 29.			
Apr. 2	Air compressors, etc.	Pittsburg, Pa		Mar. 15
	Advertised, Eng. News, Mar. 15 to 29.			
Apr. 2	Port works	Chile (Foreign)		May 4
	Advertised, Eng. News, April 1, 1906.			
Apr. 2	Ditch	Muscatine, Ia		Mar. 8
Apr. 2	Garbage disposal	Chicopee, Mass		Mar. 29
Apr. 2	Earth filling	Jacksonville, Fla		Mar. 29
Apr. 3	Ditch	Spirit Lake, Ia		Jan. 18
Apr. 3	Drains	Spirit Lake, Ia		Mar. 22
Apr. 3	Drains	Boone, Ia		Mar. 22
Apr. 3	Ditch	Clarion, Ia		Mar. 22
Apr. 3	Gantry crane	Washington, D. C		Mar. 22
Apr. 4	Ditch	Vermillion, S. Dak		Mar. 15
Apr. 4	Dredging	Washington, D. C		Mar. 8
Apr. 4	Ditch	St. James, Minn		Mar. 29
Apr. 5	Wharves	Manila, P. I.		Dec. 14
Apr. 5	Seawall	San Francisco, Cal		Mar. 22
Apr. 6	Ditches	Northwood, Ia		Mar. 22
Apr. 6	Coal-handling plant	Chicago, Ill		Mar. 22
Apr. 6	Drainage ditch	Spencer, Ia		Mar. 29
Apr. 7	Jetties	Cleveland, O		Mar. 22
Apr. 7	R. R. track scale	Portsmouth, N. H		Mar. 8
Apr. 9	Wharf	Guantanamo, Cuba		Feb. 22
	Advertised, Eng. News, Feb. 15 and 22.			
Apr. 9	Street signs	Schenectady, N. Y.		Mar. 1
	Advertised, Eng. News, Mar. 1.			
Apr. 9	Electric railroad	San Francisco, Cal		Mar. 15
Apr. 10	Dam, cribs, etc.	Cincinnati, O		Mar. 15
	Advertised, Eng. News, Mar. 15 to Apr. 5.			
Apr. 10	Engines, boilers	Wheeling, W. Va		Mar. 29
	Advertised, Eng. News, Mar. 29 and Apr. 5.			
Apr. 10	Concrete abutments	Hattiesburg, Miss		Mar. 29
	Advertised, Eng. News, Mar. 29.			
Apr. 11	Jetty	Cleveland, O		Mar. 29
Apr. 12	Canal	Glendive, Mont		Mar. 15
	Advertised, Eng. News, Mar. 15 to Apr. 5.			
Apr. 12	Cement	Glendive, Mont		Mar. 8
Apr. 12	Main canal	Glendive, Mont		Mar. 8
	Advertised, Eng. News, Mar. 8 to 29.			
Apr. 12	Dam	Carlsbad, N. Mex		Mar. 8
	Advertised, Eng. News, Mar. 8.			
Apr. 14	Wharf	Charleston, S. C		Mar. 22
Apr. 14	Dredging	Ottawa, Ont		Mar. 29
Apr. 14	Dredging	Port Arthur, Ont		Mar. 29
Apr. 15	R. R. equipment	E. Carolina Ry		Mar. 22
Apr. 16	Dredging	Boston, Mass		Mar. 22
	Advertised, Eng. News, Mar. 22 to Apr. 12.			
Apr. 16	Main canal	Boise, Idaho		Mar. 8
	Advertised, Eng. News, Mar. 8 to 29.			
Apr. 19	Suction dredges	Panama		Mar. 15
Apr. 19	Irrigation ditches	Hazen, Nev		Mar. 15
	Advertised, Eng. News, Mar. 15 to Apr. 5.			
Apr. 25	Rock removal	New York, N. Y.		Mar. 29
	Advertised, Eng. News, Mar. 29 to Apr. 19.			
Apr. 25	Ry. concrete masnry, etc.	Baltimore, Md		Mar. 29
	Advertised, Eng. News, Mar. 29 to Apr. 12.			
No date	Brick, terra cotta	Lowell, Mass		Mar. 1
	Advertised, Eng. News, Mar. 1.			
No date	Cement	Chicago, Ill		Mar. 15
	Advertised, Eng. News, Mar. 15.			
	CIVIL SERVICE EXAMINATIONS.			
Apr. 1	Topographic Draftsman	Panama		Mar. 22
Apr. 4	Asst. Geologist	Washington, D. C		Mar. 22
Apr. 10	Str. Steel Draftsman	New York, N. Y.		Mar. 22
Apr. 12	Dynamo Engineman	New York, N. Y.		Mar. 29
	Advertised, Eng. News, Mar. 29 and Apr. 5.			
Apr. 14	Arch. Draftsman	Albany, N. Y.		Mar. 29
Apr. 14	Engineering Examiner	Albany, N. Y.		Mar. 29
Apr. 14	Boiler Inspector	Albany, N. Y.		Mar. 29
Apr. 14	Rodman	Albany, N. Y.		Mar. 29
Apr. 14	Gas & Elec. Inspector	Albany, N. Y.		Mar. 29
Apr. 18	Engineer, Carpenter	Winnebago, Neb		Mar. 29
Apr. 18	Assayer	Chicago, Ill		Mar. 22
Apr. 18	Scientific Asst.	Washington, D. C		Mar. 1
Apr. 18	Arch. Draftsman	New York, N. Y.		Mar. 15
Apr. 24	Topograph Dftsman	New York, N. Y.		Mar. 29
	Advertised, Eng. News, Mar. 29 and Apr. 5.			
Apr. 25	Arch. Draftsman	New York, N. Y.		Mar. 15
No date	Master Electricians	Ft. Totten, N. Y.		Mar. 15
	Advertised, Eng. News, Mar. 15 and 22.			

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ALEXANDRIA, BAYOU, MACON & GREENVILLE.—We are officially advised that the survey for this line in Louisiana is the same as that made by the St. Louis & San Francisco R. R. Co. for its line between Marion and West Baton Rouge, La., for which surveys are being made. J. F. Hinckley, Ch. Engr., St. L. & S. F. R. R.., at St. Louis, Mo.

ATLANTA & ST. ANDREWS BAY.—We are officially informed that W. S. WILSON, of Dothan, Ala., has contract for building the section of this railway between Dothan, Ala., and Cottondale, Fla., 31 miles. Under date of March 19, G. H. Purvis, Vice-Pres., Atlanta, Ga., advises us that 14 miles of rail have been laid on this 31-mile section. This project was fully noted on March 15.

CANADIAN PACIFIC.—We are officially advised that in 1906 there will be 867½ miles of new work under construction. The C. P. Ry. Co. is increasing its mileage steadily and at the close of the present year the mileage probably will have reached 10,000 miles. The following is a list of construction operations to be undertaken this season: "Sudbury to Toronto: This line, which will give a short route for western traffic to and from Toronto, Ont., is a very heavy piece of work on account of the deep rock cuts and large structures required, and is being built with a maximum grade of .3 of 1%. On account of the very slight curvature and extraordinary low grades, it will be possible for an engine to haul 60 loaded freight cars. Locally, this line will open up a great many splendid summer resorts in the Muskoka district, giving access to Bala and other points of interest. It also taps the extensive timber lands of the Georgian Bay district, and the harbors of Parry Sound, Byng Inlet and others. It will also facilitate transportation from the rapidly developing mining district north of Sudbury. The great mining activity in an about Sudbury will be greatly furthered by its construction. This line will also afford transportation facilities to a portion of Ontario, north of Toronto, but especially to the people of the county of Simcoe, including Barrie and other towns. Guelph & Goderich: The line from Guelph to Goderich traverses the counties of Wellington, Waterloo, Perth and Huron, giving splendid high grade lines from Goderich, on the shores of Lake Huron, direct to Toronto. This line when completed will give a great impetus to the commercial development of Guelph and Goderich, and the many towns between, including Elmira, Linwood, Milverton, Blyth, and others of lesser importance. Several branches are contemplated in connection with this line, to connect it with Stratford and Listowel. Apart from the grain and other through traffic which this line will handle, it will also make Goderich a favorite summer resort, on account of the new fast service to and from Toronto. Wolseley to Reston: West of Lake Superior a good deal of construction work is to be carried on. This new Wolseley-Reston line, which is 122 miles in length, runs from Wolseley on the main line in Saskatchewan in a southeasterly direction, to a connection with that portion of the Souris branch which runs from Souris to Regina. This line has been pushed with great rapidity, and it is expected that grain will be hauled over it this fall. It has opened up a country which has heretofore been too far from the main line of the Canadian Pacific Railway to allow the farmers to economically market their wheat. This country is fairly well settled, and the Wolseley-Reston branch will materially aid in peopling its vacant lands. J. D. McARTHUR, of Winnipeg, Man., has contract for completing this branch, about 40 miles. Pheasant Hills Extension: This line, which starts on the main line of the Canadian Pacific Ry. at Kirkella, is constructed as far as Strasburg, on the western side of Last Mountain, some 200 miles, and will be extended from there in a northerly and westerly direction, passing through Saskatoon, and thence westerly to a junction with the Wetaskwin branch, on the Calgary & Edmonton Railway, giving another through line between Edmonton and Winnipeg. The line immediately north of Strasburg will be joined from the east by the extension of the Manitoba & North Western Railway from Curzon. The country along this latter branch, passing to the south of Quill Lakes, is being rapidly settled. This branch will also be joined by a line from the southwest from Lacombe, on the Calgary & Edmonton Railway, and altogether promises to become a great highway in the west to Winnipeg, with a view to the future grain carrying trade. Extension of the M. & N. W. Line: This forms an extension from the present terminus at Sheho northerly about 15 miles to Curzon, thence in a due westerly direction, through the rapidly settling country south of Quill Lakes. This branch will, as stated, make a junction with the Pheasant Hills branch of the Canadian Pacific Railway which is now being extended from Strasburg, on the west side of Last Mountain Lake, in a northerly and westerly direction. The country which will be immediately served by this extension lies between Quill Lakes and the Touchwood Mountains and is well watered and very fertile. The big Touchwood Mountains furnish an unlimited supply of timber for building purposes. About 40 miles of this line will be built this year. Gimli Extension: This line is an extension of the Winnipeg Beach Branch in Manitoba. From Winnipeg Beach, which has already become a great summer resort of Winnipeg, the line will skirt the shores of Lake Winnipeg to Gimli, an old Icelandic fishing settlement. This line will afford rapid transit for the great fishing industry on Lake Winnipeg, which is carried on extensively. J. D. McARTHUR, of Winnipeg, has the contract for this work. Teulon Extension: The Teulon extension is a branch of the Canadian Pacific Ry., which runs from Winnipeg to Teulon, through well known places like Stony Mountain and Stonewall. It will carry the line some ten or twelve miles further into the heart of the fertile country west of Lake Winnipeg, and afford easy shipments to splendid markets at Winnipeg, for the produce of the hardy Scandanavians who largely people the district. Lauder to Broomhill: The line from Lauder to Broomhill on the Souris branch, betwen Souris and Napinka, will run 20 miles in a westerly direction, through the wheat fields of southwestern Manitoba. This line will serve the thickly-settled country between the north portion of the Souris branch, and the southerly one towards Estavan. This line is principally built for the purpose of affording easy shipment for the grain of this district, which heretofore had to find its way by wagon haul to Melita or Napinka, on the south, or Reston or other stations on the north. Moosejaw North: The branch which is now building, and will be completed this fall for the shipment of grain, extends a distance of 14 miles north of Moosejaw, into the long-settled wheat district around Malbrough, and south of High Pound Lake, which has heretofore found its outlet through Moosejaw and Pasqua on the main line. Wetaskiwin Branch: 40 miles south of Edmonton is Wetaskiwin, from which a branch has already been built in an easterly direction through a well-settled country for 50 miles. During the present year this branch will be extended another 50 miles, which will take it to the Battle River, where it will be met by the extension of the Pheasant Hills branch, and together they will form the new through line of the Canadian Pacific Ry. from Edmonton to Winnipeg. Nicola & Kamloops Railway: The Nicola & Kamloops Ry., 40 miles of which has been under construction for some time. runs from Spence's Bridge, B. C., on the main line of the Canadian Pacific Ry. into the mountains toward the fertile valley of Nicola Lake. This country has long been settled by many ranchers and farmers, and is noted for its excellent climate, scenic picturesqueness and fruit growing capabilities. The fruit industry heretofore has remained undeveloped, on account of the lack of quick transportation for delivering the crop to markets, but with the advent of the railroad, it is expected that many of the ranchers will turn their attention to fruit raising, and provide another source of supply to the settlers on the prairie."

CANADIAN NORTHERN.—It is said that this company will build a 92-mile extension from Etoimian, on the Prince Albert branch, northeasterly. The extension, according to George H. Shaw, Traffic Manager, of Winnipeg, will tap the Carrot River country, considered one of the best wheat regions in Canada. Next year, probably, the extension will go through to Fort Churchill, on the west coast of Hudson Bay. On the main line, which now reaches Edmonton, two extensions, each of 25 miles, will be built this season. One will go north toward Athabasca Landing, 80 miles distant, and the other will go west in the direction of the Pacific Coast terminus.

CHICAGO & NORTHWESTERN. — This company will soon begin work of elevating the tracks of the Galena division from 42d Ave., Chicago, where the elevation now stops, to Oak Park, a distance of three miles. The work is in charge of C. S. Hall, Engr. Track Elevation, at Chicago, It will cost approximately $1,000,000, bringing the total spent by the road for this purpose in Chicago up to $10,000,000. E. C. Carter is Ch. Engr., Chicago.

CARNIFEX & EASTERN.—This company has been chartered at Charleston, W. Va., to build a railroad from Carnifex Ferry, in Nicholas County to Lewisburg, in Greenbrier County, about 40 miles. The incorporators are W. A. MacCorkle, W. G. MacCorkle, J. E. Chilton, T. R. English, Jr., and T. S. Clark, all of Charleston.

CHICAGO.—Provisions for the elevation of 14 miles of main and 70 miles of side tracks are made in an ordinance which Alderman Joseph Badenoch of the Thirty-second Ward will submit to the city council. The ordinance will abolish 79 grade crossings and provides for 87 subways. The elevation will cost $5,348,345. The tracks of the following roads will be elevated if the ordinance is passed: Wabash railway, from 73d and Wallace Sts. to Hoyne Ave.; The Rock Island, from 72d to 95th Sts., its suburban and "Y" tracks from 87th to 91st Sts., and Beverly station; The Western Indiana, 70th to State Sts., passing under the tracks of the Rock Island and its Dolton branch, from a point in its 87th St. yards to the South Chicago branch of the Rock Island. The Belt railway, its main tracks and "Y" from Wallace St. to Hoyne Ave. The ordinance will be sent to the track elevation committee. John O'Neill is Track Elevation Expert, 204 City Hall.

DARDANELLE, OLA & SOUTHERN.—We are advised by C. C. Godman, Pres., Dandanelle, Ark., that contract for building this railroad from Dardanelle to Ola, Ark., 22 miles, has been awarded to the H. S. GODMAN CONSTRUCTION CO., of Dardanelle. Survey has been made and right-of-way and capital secured. John McCarthy is Ch. Engr., at Dardanelle. Noted last week.

LIBERTY-WHITE R. R.—J. Turner Burke, Ch. Engr., McComb, Miss., writes us that contract has been let to MUNSON & WITTE, Baton Rouge, La., for building extension from McComb to Holmesville. W. M. White is Gen. Mgr. and Vice-Pres. It is planned to extend the line from McComb to Liberty (now in operation), to Natchez, Holmesville and Columbia, a total of 105 miles. Right-of-way is secured and surveys made from McComb to Holmesville. Capital is secured. Surveys have not been completed yet from Liberty to Natchez and from Holmesville to Columbia. Construction will commence about April 1.

LOUISVILLE & NASHVILLE.—KREIS BROS., of Knoxville, Tenn., have been awarded contract for building a 4-mile branch to Maryville.

MIDLAND RY. OF MANITOBA.—Contract for grading this line from Portage la Prairie, Man., to the international boundary, about 90 miles, has been awarded to A. GUTHRIE & CO., of St. Paul, Minn.

NEW ORLEANS GREAT NORTHERN.—We are officially advised that FRANK GRECO has contract for proposed branch up the Boque Chitto Valley through Franklinton to Tylertown, La. Surveys and right-of-way are about completed. Capital is secured. J. F. Coleman is Ch. Engr., New Orleans, La.; F. H. Goodyear is Pres., at Buffalo, N. Y.

PAYETTE VALLEY R. R.—F. S. Murphy, 73 Main St., Salt Lake City, Utah, Secy. of this company, informs us that contracts will be let about April 1 for construction of this line. It will extend from Payette, Idaho, to New Plymouth, 15 miles distant. Surveys are finished and right-of-way and capital secured. C. W. Nibley is Pres., Salt Lake City; William Noot is Ch. Engr., at Payette. Contracts nave been awarded for ties and rails.

PEORIA & PEKIN UNION RY.—Stanley Millard, Ch. Engr., of the Peoria & Pekin Union Ry. Co., Peoria, writes us that contracts have been let for the construction of a gravity yard in East Peoria, containing 23 miles of tracks, involving about 140,000 cu. yds. of excavation and 2,000 cu. yds. of concrete for which bids were received on March 20, as follows: Steel bridges, WISCONSIN BRIDGE & IRON CO., Milwaukee, Wis.; grading and masonry, J. J. JOBST, Peoria; rails, CAMBRIA STEEL CO., 71 Broadway, New York City; cross-ties, WESTERN TIE CO. (Advertised, Engineering News on March 8.

YOSEMITE VALLEY.—N. C. Ray, Ch. Engr., Mills Bldg., San Francisco, Cal., states that 40 miles have been graded on this road, from Merced, Cal., to the Yosemite Valley, and that 13 miles of track have been laid. The route is from Merced northeasterly, via Hopeton, Snelling, Merced Falls and Bagley. The company is doing its own construction work. F. G. Drum is Pres., Mills Bldg., San Francisco.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

NORWICH, CONN.—The Connecticut Railroad Commissioners have approved the plans and the method of construction of the new Preston, Ledyard and North Stonington Railroad. This road is to extend from Norwich to the northerly part of the village of Westerly, passing through the village of Old Mystic and Ledyard to Norwich and from there will go down along the Thames River to New London.

HARTFORD, CONN.—In a recent speech to the Get-Together Club, of this city, C. S. Mellon, Pres. of the New York, New Haven & Hartford R. R. Co., stated that this company has plans for a great combination of steam and electric service for its suburban traffic. The scheme in brief is to run electric trains on the main line of the company from the suburban points. These trains will make the same speed that the ordinary suburban trains would. Instead of going into the stations, however, they will be switched off the main line after entering the cities, and will run on the street railway tracks, giving the same service as street cars. This is the second step in the plan under which the railroad recently has acquired many street railroads throughout Connecticut. Large expenses will be made necessary, as special cars, heavy enough to make speed on the main railway line, but light and small enough for the street traffic, must be provided. It will be necessary also to lay new rails in the street in many instances.

SYRACUSE, N. Y.—It has been decided to adopt the third-rail system on the West Shore R. R., controlled by the New York Central & Hudson River R. R., between Syracuse and Utica, a distance of 60 miles. W. J. Wilgus, Vice-Pres., New York, is in charge of new construction. For the electrification of the West Shore between this city and Utica the contract for the electrical equipment has been let to the GENERAL ELECTRIC COMPANY, Schenectady, N. Y., amounting to about $110,000. The contract for 15 interurban cars and trucks has been let to the J. G. BRILL CO., St. Louis, Mo., amounting to about $90,000. The contract for the sub-stations is to be let. Limited cars will start on the hour and make the run of 48 miles in one hour and 20 minutes, about ten minutes slower than the average time of the limited trains over the Central's stretch of 54 miles between the same cities. The limited cars will stop only at the city limits, Canastota and Oneida. It is expected that the first car will make the trip about October 1st, and that the fare will be reduced to 1½ cts. per mile.

BROOKLYN, N. Y.—It is stated that the Brooklyn Rapid Transit Co. contemplates the expenditure of about $7,000,000 for improvements of its roads. Edwin W. Winter, 85 Clinton St., Brooklyn, is Pres. W. S. Menden is Ch. Engr.

PHILADELPHIA, PA. — Mayor John Weaver has received a communication from the Philadelphia & Western R. R. Co., which proposes to build an elevated and underground railway from 63d and Market Sts., the western boundary of Philadelphia, across the city to the Delaware River, a distance of about five miles. The proposed line, if constructed, will parallel the elevated and underground railway now being built by the Philadelphia Rapid Transit Co. The general character of the contemplated railway is similar to the line now under construction; that is, an elevated road from 63d St. to the eastern bank of the Schuylkill River, where the elevated railway trains will dip into a subway which will extend to the Delaware River. One-half of the Philadelphia Rapid Transit Co.'s subway is completed and in operation. W. H. Ford is Ch. Engr. of the P. & W., West End Trust Bldg., Philadelphia. This company is now building a line to Parkesburg from the Philadelphia County line, 44 miles. The Philadelphia Rapid Transit Co., on March 20, agreed to complete within three years, subways under several streets in the business center of the city, and an elevated railway from the southern section of Philadelphia to Frankford, in the extreme northeastern section of the city. The company surrenders franchises for surface lines on Broad St., for [illegible] elevated lines, and the franchise for a subway under Chestnut St., which, it is believed, will permit the Philadelphia & Western Railroad to construct its proposed line from West Philadelphia through the heart of the city to the Delaware River, connecting on the west with its road to Parkesburg. The Rapid Transit Co. will also pay to the city $[illegible],000 in cash, to be used in abolishing Philadelphia & Reading Ry. grade crossings. Charles O. Kruger is Gen. Mgr., 820 Dauphin St.

EBENSBURG, PA.—The Ebensburg & Blacklick Electric Ry. Co. has been organized to build an electric railway from Ebensburg to Blacklick via [illegible]-y-Glo, Twin Rocks, Expedite, Vintondale, Wehvon, Buffington, Heshbon and other towns. President, Capt. Thomas Davis; Secy., Fred. W. Hasberger; Treas., Robert S[illegible]. In addition to these officers, the following are among the promoters: A. J. [illegible]agh, Thomas Peach, W. M. Kimball, H[illegible] Apel and T. Staunton Davis, all of Ebensburg.

PITTSBURG, PA.—J. D. Callery, Pres. of the Pittsburg Railways Co., has announced that the Castle Shannon and Bethel Street Ry. Co. is being formed for the completion of the 11-mile link between Pittsburg and Washington, and that it will connect with the Washington line at Canonsburg. Construction of the line will cost about $1,000,000. Application for a new charter has been made. The proposed new line will connect with the Charleroi line about two miles from Castle Shannon and will run from there to a point on the Library road, thence along old Washington road to the township road in a southwesterly direction. The line is to be double track. The incorporators of the company are C. W. Lepper, E. J. Cochran, Frank McCarthy, and W. J. Hor[illegible] and David J. Woods, of Pittsburg.

BALTIMORE, MD.—Bids are asked by the Roberts & Abbott Co., Engrs., Maryland Trust Bldg., Baltimore, until April 25 for approximately 12,000 cu. yds. of concrete masonry, 740,000 ft. B. M. timber bridging and 21,000 lin. ft. of piling for the Washington, Baltimore & Annapolis Electric Ry. Plans and specifications are on file at offices of the engineers, Schofield Bldg., Cleveland, O., and at Baltimore. Copies of same will not be forwarded. Contract for grading about 860,000 cu. yds. and for laying 33¼ miles of double-track line has been awarded to the FIDELITY CONSTRUCTION CO., of Detroit, Michigan.

ALBANY, GA.—A committee has been appointed to investigate the advisability of municipal ownership for the street railway which is to be built in Albany. The city now owns all its public utilities. John A. Betjeman, Secy of Business League, is interested.

CINCINNATI, O.—In his annual report, James C. Ernst, Pres. of the Cincinnati, Newport & Covington Light & Traction Co., announced that the company will spend $175,000 in improvements this year. The money will be expended in the installation of a 2,500-HP. turbine and generator, a new switchboard, 2,000 HP. of boilers and auxiliary equipment, largely for the lighting department of the company. Ten new cars will be purchased and about two miles of extension laid in Newport, Ky., and vicinity. C. W. De Forest is Ch. Engr., Newport, Ky.

CINCINNATI, O.—Contract for grading the extension from Russellville to West Union, 15 miles, has been awarded to A. H. COHN, of West Union. H. E. Sawyer, Cincinnati, is Gen. Supt.

FORT WAYNE, IND.—We are officially advised that the Fort Wayne, Logansport & La Fayette Traction Co. will let contracts for construction of its line between April 1st and 10th. Capital for construction is secured. C. D. Emmons is Gen. Mgr.; H. L. Weber is Ch. Engr. and R. M. Feustel is Asst. Ch. Engr., all at Fort Wayne. The line will extend to Logansport, Delphi and La Fayette, about 36 miles. Noted on March 15th.

CHAMPAIGN. ILL.—The Illinois Traction System will build a new line due west from Champaign to Decatur, Ill. Material for construction is purchased. The new line will be over 40 miles in length. The city has granted the company a 50-year franchise for use of certain streets. L. E. Fischer, Danville, Ill., is Gen. Mgr.

MILWAUKEE, WIS.—M. D. Wood, who is associated with the Rock Valley Land Company, at Juneau, Wis., is reported to be interested in the Co-operative Construction Co., a $100,000,000 corporation, which has contracted to build an air line of electric road between Chicago and New York, the distance to be made in ten hours. It is reported that the trains of the company will make 100 miles an hour. The officers are Jonathan D. Price, Pres.; F. H. Wood, Vice-Pres.; Charles W. Chase, Secy., and Lewis E. Woodward, Treas.

FREMONT, NEB.—Plans are under way for building an electric railway here. E. N. Morse is reported as being interested.

REDDING, CAL.—John B. Rogers, Pres. of the Redding & Red Bluff Ry. Co., 415 Shreve Bldg., San Francisco, advises us that contract for construction of this railway is awarded to C. E. LOSS, Flood Bldg., San Francisco. W. J. Nicholson is Ch. Engr., at Redding. The line will be about 33 miles in length, extending from Redding to Red Bluff. Surveys are under way. Capital stock is $800,000.

RYOLITE, NEV.—F. L. Wright, of South Bullfrog, is interested in plans for an electric plant for power and light purposes and for an electric railway in that district.

NEW WESTMINSTER, B. C.—The Canadian Pacific Railway Co. has obtained control of the majority of the shares of the Fraser Electric Tramway, projected between Chilliwack and New Westminster, and planned to be built next summer.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

PORTLAND, ME.—It is officially announced that the Portland Electric Lighting & Power Co. is about to erect a new power-house. W. H. Mather is Gen. Mgr.

BATH, ME.—The council has awarded a contract to the SAGADAHOC LIGHT & POWER CO. for lighting the city for a term of five years.

MANSFIELD, MASS.—It is reported that $30,000 has been voted for the improvement of the city electric plant. J. E. Arthur is Mgr.

FALL RIVER, MASS.—The contract for constructing the foundations for the new power-house of the Fall River Electric Light Co. has been awarded to BEATTIE & WILCOX.

ORANGE, MASS.—The Orange Electric Light Co. will put in two new three-phase generators, enclosed arcs and a new steam plant. E. O. Horton is Mgr.

FITCHBURG, MASS.—The Fitchburg Gas & Electric Light Co. has awarded contracts for Mackintosh & Seymour engines of 1,500 HP. and a General Electric Co. alternating current generator of 1,000 KW.

ENDICOTT, N. Y.—The village has contracted with the GENERAL ELECTRIC CO. for the installation of a lighting system.

NEW YORK, N. Y.—The following bids for two turbo-alternators for the New York Navy Yard have been received: The Westinghouse Machine Co., 10 Bridge St., New York, N. Y., (item 3) $39,532, (item 4) $40,-[illegible]; General Electric Co., Schenectady, N. Y., (item 1) $45,678, (item 2) $45,696; Allis-Chalmers Co., 346 Clinton St., Milwaukee, Wis., (item 3) $33,500, (item 4) $34,300, add $1,000 for exciter set.

NEW YORK, N. Y.—Plans have been filed for the enlargement of the power station and car-house of the New York City Street Railway Co. on the block from 128th to 129th Sts., in Amsterdam Ave. The improvements are to cost $150,000.

BLOOMFIELD, N. J.—The Westinghouse Electric Co., 111 Broadway, has purchased several acres of land in the Watsessing section of Bloomfield, along the Erie and Lackawanna Railroads, and will spend $1,-000,000 in erecting and installing a large plant.

WAYNESBORO, PA.—The council has entered into a five-year contract with the WAYNESBORO ELECTRIC LIGHT & POWER CO. to furnish street lighting for the town, at a cost of $92.50 a year for each arc light.

HAWLEY, PA.—V. A. Decker, F. C. White and Lewis P. Cooke are reported to have purchased the plant of the Hawley Electric Light Co., and will expend about $20,000 in improvements.

WILKESBARRE, PA.—Bids are asked until 8.30 p. m., March 29, for street lighting. J. T. Flannery is City Clk.

POTTSVILLE, PA.—The Tremont borough council has awarded contract for the street lighting to TREMONT & PINEBROVE ELECTRIC LIGHT CO., at $1,234 per year.

HAZLETON, PA.—The Mayor is reported to have signed the ordinance granting the Peoples' Consumers Co. a franchise for an electric light plant. Harry Mohr, of Hazleton, is interested.

SOMERSET, PA.—The Somerset Electric Light, Heat & Power Co. will erect a large central station here, to supply light and power to all nearby towns. J. M. Bricker is Mgr.

PHILADELPHIA, PA.—Bids are asked until April 3, by the Bureau of Lighting, for lighting street lamps and furnishing lamp posts. Thos. L. Hicks is Dir. Pub. Wks.

TOWSON, MD.—The County Commissioners have awarded to the MT. WASHINGTON ELECTRIC LIGHT & POWER CO. the contract for lighting Roland Park, Evergreen Park and Tuxedo Park. T. W. Offutt is Pres.

ELLICOTT CITY, MD.—The Patapsco Electric & Mfg. Co. will build a new concrete steel dam on the Patapsco River at a point below Ellicott City. The contract has been awarded to the AMBURSEN HYDRAULIC CONSTRUCTION CO., of Boston, for immediate execution. A special feature of this development is that the power house containing three 500-HP. units is entirely within and underneath the rollway, the water passing over the power house. H. Von Schon, of Detroit, is Engr.

EMPORIA, VA.—It is stated that bids will soon be asked for the construction of a dam and power-house for the Greensville Water Power Co. here.

DANVILLE, VA.—The council has authorized Frank Talbott, Supt. and Treas. of city gas plant, to prepare plans and preliminary estimates for the improvement of the gas plant; probable cost $40,000.

COLUMBIA, S. C.—The Pintsch Compressing Gas Co. of New York City, will erect a $40,000 gas plant here. J. A. Dixon is Gen. Mgr.

CHARLESTON, S. C.—Bids are asked until April 3 by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing at the Navy Yard, Charleston, arc lamps, lightning arresters, poles, etc. H. T. B. Harris, Paym. Gen., U. S. N.

ROCKMART, GA.—Bids are asked until April 9 by A H. Graefer, City Clerk, for equipment for electric light plant, including boiler, high-speed engine, heater, pumps, switchboard, series arc-light system, electric light and steam material and building. Joseph M. Roman & Co., Century Building, Atlanta, Ga., are Engrs.; J. A. Fambro is Mayor.

WAYCROSS, GA.—J. E. Dempsey, Gen. Mgr. Waycross Gas Works, writes that bids will probably be called for in 90 days for the construction of a gas plant, to cost about $40,000.

CARTERSVILLE, GA.—The city contemplates the construction of an electric light plant and desires to correspond with parties competent to plan and estimate cost of same. Address Geo. S. Webb, Chn. Electric Light Com.

OPELIKA, ALA.—Arthur R. Law, of Philadelphia, has been granted the franchise for a gas plant to be completed in 15 months.

NORTH BIRMINGHAM, ALA.—The citizens have voted to issue $10,000 bonds for an electric light plant. W. C. Harkins is City Treas.

DOTHAN, ALA.—Contracts for the municipal electric light plant, to cost about $10,-000, are reported to have been awarded as follows: To the CROCKER-WHEELER CO., of Ampere, N. J., for dynamos; the HARRISBURG MACHINE & FOUNDRY CO., Harrisburg, Pa., for the engines, and the ADAMS-BAGNALL ELECTRIC CO., of Cleveland, O., alternating arc lights.

HOMER, LA.—The Town Council has granted a franchise to Ed. Sawyer, of Ruston, to install an electric lighting system there, the plant to be in operation within six months.

ESSEX, LA.—The Electric Light & Power Co.'s plant will be rebuilt, the stock increased by $25,000 and the whole system enlarged and improved.

NEW ORLEANS, LA.—The New Orleans Lighting Co. will erect a gas plant at Algiers at a cost of $25,000.

DAYTON, O.—The council has granted a franchise to the Dayton Citizens' Electric Co. Cyrus E. Mead & Co., of Dayton, Consulting Engrs., state that the plant contemplated by this company will cost $1,500,000. Valentine Winters, Pres. S. W. Davies, Secy.

COLUMBUS, O.—The House is reported to have passed the bill appropriating $25,000 to install an electric light and power plant in the State House.

SOUTH BEND, IND.—D. M. Shively is at the head of a company proposing to build and equip a gas plant in this city.

ELKHART, IND.—The Elkhart Gas Co. will spend $50,000 on improvements on the plant, including a 200,000 cu. ft. gas holder and new mains and connections.

INDIANAPOLIS, IND.—Bids are asked until March 30 by the Board of Park Commissioners for incandescent lighting in the parks of the city. B. H. Miller is City Engr.

CANNELTON, IND.—The city council is stated to have instructed the Lighting Committee to procure bids for the reconstruction of the electric light building recently burned, which will contain new machinery.

BIRMINGHAM, MICH.—T. Nason, of Birmingham, is about to start the construction of a new gas plant, according to reports.

ALLEGAN, MICH.—Franchise to construct and operate a gas plant has been awarded to A. J. Coburn and associates.

BERRIEN SPRINGS, MICH.—F. A. Bryan, of South Bend, Ind., Gen. Mgr. Berrien Springs Water Power Co., writes that the proposed power plant to be constructed on the St. Joseph River will cost about $500,000.

THREE RIVERS, MICH.—D. Frank Pashby, of Detroit, has been awarded a franchise for a gas plant here.

Irvin Butterworth, Pres. & Gen. Mgr. Grand Rapids Gas Light Co., states that it is proposed to install water gas set, gas holder, meter shop, warehouse, etc.

CONSTANTINE, MICH.—A hydro-electric power plant will be constructed on the St. Joseph River below this point. Plans and specifications are being prepared by H. von Schon, Engr., of Detroit.

PEORIA, ILL.—The contract for wrecking the Engel buildings and excavating 10,000 cu. yds. of earth, preparatory to erecting the new power house of the Illinois Traction Co. on Walnut St., was let to J. J. JOBST of this city.

MENDOTA, ILL.—The Mendota Gas Co. is reported to have decided to construct a pipe line from Mendota to Plano. The cost of the proposed work is about $75,000 and includes a new holder, 31 miles of high-pressure mains, forcing station, etc.

AURORA, ILL.—Bids have been received for the construction of the municipal electric plant, as follows: Fort Wayne Ridgway Dynamo & Electric Co., entire work, $21,-450; Ball Engine Co., without lamps, $15,-000; Westinghouse Electric Co., Chicago, generator and exciter, $6,300; Westinghouse Machinery Co., Pittsburg, without lamps, $17,900; Quincy Engine Co., Corliss engine and generator, $14,095; Fort Wayne Electrical Co., electrical apparatus, $17,919; Stanley General Incandescent Co., entire work, $20,994; Western Electric Co., generator, exciter and switchboard, $12,625, lamps, $8,600; Allis-Chalmers Co., Milwaukee, Reynolds cross-compound engine, $16,200; Warren Manufacturing Co., Sandusky, O., entire work, $22,500.

ST. PAUL, MINN.—Bids are asked until March 31, by the West Side Power, Light & Heat Co. for the new steam plant which will have three 400-HP. boilers, three 340-HP. engines and the necessary electric equipment. Estimated cost, $100,000.

HOLTON, KAN.—See under Water-Works—Irrigation.

GRAND ISLAND, NEB.—It is reported that the citizens have voted to issue $35,000 bonds for an electric light plant, and bids for constructing the plant complete will be received until April 14 by W. K. Palmer, Consulting Engr., 718 Dwight Bldg., Kansas City, Mo.

BROWNSVILLE, TEX.—F. J. Combe and S. C. Tucker, of Brownsville, are preparing to install an electric light and power plant here. The proposed plant will probably be used to provide lighting and power service also for Matamoros, Mexico, situated opposite Brownsville.

SEATTLE, WASH.—The city has voted to issue $600,000 bonds for extending the present municipal electric light plants. As soon as bonds are sold the work of extending the system will commence.

PRESCOTT, WASH.—Roberts & Henderson, of Waitsburg, are reported to have secured a franchise for an electric light plant in Prescott.

KETTLE FALLS, WASH.—Jay P. Graves, of Spokane, of the Inland Empire Electric Ry., is reported to have purchased the falls of Columbia River at Kettle Falls, and will construct an electric generating plant to supply this railway, and also the mines and smelters in the boundary district of British Columbia.

GODERICH, ONT.—J. L. Goldthorpe, of the Maitland River Power Co., writes that bids will be received about June 1, for the construction of a power plant on Maitland River, to cost about $250,000.

PORTAGE LA PRAIRIE, MAN.—A bill giving the council of this city power to borrow $50,000 to construct an electric light system has passed the Manitoba Legislature, and city will at once proceed to install a plant. E. Brown is Mayor.

WINNIPEG, MAN.—On June 1 all the Ogilvie Mills in Winnipeg, the biggest in Canada, will be operated by electric power. R. S. Keloch, Consult. Engr., of Montreal, will purchase the necessary plant.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

QUINCY, MASS.—Bids were received March 19, at the Metropolitan Park Commission, Boston, for building the Sachem Brook bridge, culvert, grading, etc., at Quincy, Mass., and contract was awarded to RUGGLES & FALLON, 95 Milk St., Boston. Other bids were as follows: John Cashman, Quincy, Mass., $14,445; Jeremiah J. Sullivan, 273 West Fifth, South, Boston, $13,766; Healey Sewer Machine & Construction Co., 15 Beacon St., Boston, $13,500; Falvey & Kelley, Dorchester, Mass., $13,260; Marr Bros., Wollaston, Mass., $11,909; Fred S. & A. D. Gore Corp., Old South Bldg., Boston, $11,825; John T. Scully Foundation & Transportation Co., Cambridge, Mass., $11,571; Andrew D. Fuller Co., 3 Hamilton Pl., Boston, $11,438; T. H. Gill & Co., 88 Broad St., Boston, $10,698; George H. Cavanagh, 485 Dorchester Ave., Boston, $10,606; W. Shea & Son, West Quincy, Mass., $10,322; D. J. Sheehan & Co., Lynn, Mass., $10,134; Nathan S. Brock, Brighton, Mass., $9,134; Coleman Bros., 15 Court Sq., Boston, $8,409.

NEW LONDON, CONN.—The contract for constructing the Crystal Ave. bridge over Winthrop's cove has been awarded to JOHN J. RYAN, of this city, at $5,380.

SOUTH NORWALK, CONN.—WILLIAM E. DANIELS has been awarded the contract to build a truss bridge at Bell Island, at $2,938.

NEW YORK, N. Y.—Bids are asked by J. A. Bensel, Comr. of Docks, until 2 p. m., April 6, for preparing for and building three ferry bridges and pontoons.

NIAGARA FALLS, N. Y.—Bids will be asked shortly for constructing four bridges over the hydraulic canal at various streets. W. W. Read is City Engr.

ALLENTOWN, PA.—The Lehigh Valley Transit Co. will build a bridge over the ravine between Allentown and South Allentown, to be 1,800 ft. long and 120 ft. high, costing $350,000. W. S. Hall is Ch. Engr.

McKEESPORT, PA.—Herman Loube, of Pittsburg, has completed plans for a bridge over the Youghiogheny River, at 15th Ave., this city, to cost $150,000.

BEAVER, PA.—It is reported that the Pittsburg & Lake Erie R. R. will erect a new bridge over the Ohio River, from this city to Monaca, at a cost of about $250,000. J. A. Atwood is Ch. Engr., at Pittsburg.

PHILADELPHIA, PA.—Plans and specifications for the proposed Walnut Lane bridge over Wissahickon Creek have been approved by the Board of City Surveyors and bids will be asked soon. The bridge will be of concrete, 535 ft. long, 60 ft. wide and 145 ft. high. The main span will be 233 ft. with five secondary arches, each 53 ft. in length. Estimated cost, $250,000. Thomas L. Hicks is Dir. Dept. Pub. Works.

WILLIAMSPORT, PA.—The Board of Public Buildings and Grounds has awarded the contract for the erection of a bridge over Lycoming Creek to the PENN BRIDGE CO., Beaver Falls, Pa., at $40,400.

MARION, PA.—The grand jury and county commissioners have recommended that a bridge be built across the Cheat River at Marion. The bridge will be about 500 ft. long, and its estimated cost is $25,000.

ODESSA, DEL.—We are officially advised that the contract for substructure of a bridge to be erected near here, over the Appoquinimink River, has been awarded to JOHN E. TAYLOR, New Castle, Del., at $7,165, and the contract for superstructure to the NEW JERSEY BRIDGE CO., Fuller Bldg., New York, at $3,919. C. H. Salmon is Comr., at Wilmington.

SUMMERVILLE, GA.—We are officially advised that the contract for constructing superstructure of a bridge over the Chattanooga River here has been awarded to AUSTIN & BRO., Atlanta, Ga., at $2,870. Contract for substructure will be awarded about April 16. E. N. Marlin is Clk. Bd. Roads and Revenue.

CALHOUN, GA.—Bids are asked by the County commissioners until April 4 for building a steel bridge 220 ft. long over the Oostanaula River in Gordon County.

CENTERVILLE, MD.—The Commissioners of Queen Anne county will soon ask for bids for constructing a steel bridge 75 ft. long. A. B. W. Mitchell is Clk.

SPRINGFIELD, O.—Plans are in progress for a new bridge to be built across Buck Creek. W. H. Siverling is Engr.

BRISTOL, IND.—It is stated that a new bridge will be erected across the St. Joseph River near this city. Cost, $50,000.

RENSSELAER, IND.—Bids are asked by the commissioners of Jasper county until noon, April 2, for the erection of a steel tube bridge 70 ft. long and 16 ft. wide, in Marion township. Also for a steel tube bridge 65 ft. long in Union township.

FRANKFORT, IND.—Specifications and bidding sheet are on file at office of Engineering News, 220 Broadway, New York, for the erection of 22 concrete bridges. Bids are asked until April 2, as noted on March 15.

INDIANAPOLIS, IND.—Bids are asked by the Commissioners of Marion County until March 30 for the construction of bridges and culverts in several townships.

WABASH, IND.—Bids are asked by W. S. Davis, County Audr., until 2 p. m., April 4, for constructing twelve concrete arch bridges.

HANOVER, ILL.—The contract for constructing an iron bridge here has been awarded to the JOLIET BRIDGE CO., Joliet, Ill., at $5,600.

RACINE, WIS.—We are officially advised that the contract for constructing a swing bridge over Root River at Main St. has been awarded to the MILWAUKEE BRIDGE CO., Milwaukee, at $69,800. Bids were received March 6, as noted on March 15. P. H. Connoily is City Engr.

GARNER, IA.—Bids are asked by Leo Aspalan, County Audr., until noon, April 3, for constructing a steel bridge across Lime Creek in Hancock county. Bridge will be 100 ft. long.

ST. PAUL, MINN.—The St. Paul Foundry Co. submitted low bid for the construction of the steel bridge at Phalen Park. Bid was $5,148.

O'NEILL, NEB.—Bids are asked until noon, April 7, for the construction of a bridge about 540 ft. in length over the Niobrara River. W. P. Simar, County Clk.

FORT PIERRE, S. DAK.—Bids are asked until April 5 for the construction of three steel combination or wooden bridges. Manuel Sylva, Chn. County Comrs.

FULTON, MO.—J. C. Herring, of Jefferson City, is reported to be preparing plans for two steel bridges over Town Creek, to cost about $5,500. They will be plate girders, about 60-ft. span with 18-ft. roadway.

KANSAS CITY, MO.—It is stated that the Kansas City Belt Railroad will erect a 4-track bridge over the Kaw River in addition to the one now under construction. W. B. Storey, Jr., is Ch. Engr., at Topeka, Kan.

SEATTLE, WASH.—Board of County Commissioners has awarded the contract for the construction of the Cherry Valley bridge to the International Construction Co., at $9,380. Structure will be of wood with steel floor beams and will have a 190-ft. draw.

TACOMA, WASH.—Bids are asked by the Board of County Commissioners of Pierce county until 11 a. m., April 6, for the construction of the Crocker bridge, near Crocker, Wash. I. M. Howell is County Audr.

SANTA ROSA, CAL.—The contract for constructing the Alexander Valley bridge has been awarded to the SAN FRANCISCO BRIDGE CO., 220 Market St., San Francisco, at $22,950. Other bids received were as follows: Cotton Bros. & Co., Oakland, $23,875; Hyde, Hayes & Co., San Francisco, $22,245; Pacific Construction Co., San Francisco, $20,590; J. A. McMahon, San Francisco, $24,750.

OROVILLE, CAL.—JENKINS & WELLS have been awarded contracts for constructing two bridges over Butte Creek, near Nelson and Bidds, at $5,968 and $1,468, respectively.

ST. JOHN, N. B.—It is reported that the Intercolonial Railway will replace the present bridges at Stanley and Wall Sts. with modern structures. A. E. Killam is Insp. Bridges and Bldgs., at Moncton, N. B.

TORONTO, ONT.—C. H. Rust, City Engr., is stated to have estimated the cost of constructing a bridge over the Don at Wilton Ave., at $70,000.

BRANDON, MAN.—We are advised that the city is considering the erection of a steel bridge over the Assiniboine River. The structure will have two 100-ft. spans and concrete piers. W. H. Shillinglaw is City Engr.

GARDEN CITY, KAN.—Bids are asked by Charles F. Gordon, Engr., until 2 p. m., April 28, for the construction of fifteen steel highway bridges in Comanche county, Oklahoma. (Advertised, Engineering News.)

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

PORTLAND, ME.—B. F. Keith and E. F. Albee, of Boston, and James E. Moore, of this city, will erect a theatre on Preble St., at a cost of about $200,000.

F. W. Cunningham & Sons, of this city, were lowest bidders for the construction of the county court-house, at $443,890. Bids were opened March 29.

PORTSMOUTH, N. H.—Bids are asked by Mordecai T. Endicott, Ch. of Bureau, until 11 a. m., April 28, for constructing brick and steel building, with elevator and cranes at the Navy Yard, Portsmouth, N. H. Specifications are on file at office of Engineering News, 220 Broadway, New York.

FALL RIVER, MASS.—Bids are asked until 4 p. m., April 4, for the construction of a 10-room school-house on North Main St. Building will be 70 × 135 ft., three stories, brick, stone and terra cotta. Louis G. Destremps & Son, Archs., 56 North Main St., Fall River. Noted on March 22.

NEW YORK, N. Y.—The following bids were received March 22 by the Department of Parks for the erection of a new wing for the American Museum of Natural History in Manhattan Square: Luke A. Burke & Son, 25 West 42d St., (a) $361,000, (b) $336,750, (c) $333,750, (d) $346,750; Buckley Realty &

Construction Co., 42d St. and Broadway, (b) $333,000, (c) $330,500; W. L. Crow, 289 Fourth Ave., (a) $366,692, (b) $359,290, (c) $356,290, (d) $366,500; John H. Parker Co., 225 Fourth Ave., (b) $348,975, (c) $346,737; Guidone & Garlardi, 1 Madison Ave., (a) $343,000, (b) $334,000, (c) $325,000, (d) $343,000; Thomas Cockerill & Son, 147 Columbus Ave., (a) $364,000, (b) $344,000, (c) $375,000, (d) $364,000; Richard E. Henningham, 1 Madison Ave., (b) $356,000, (c) $348,000, (d) $358,000; P. J. Brennan & Son, Fuller bldg., (a) $347,600, (b) $339,600, (c) $337,009, (d) $347,600; C. H. Peckworth, 415 Hudson St., (a) $347,000, (b) $337,970, (c) $336,797, (d) $340,000; Kelly & Kelley, 45 East 42d St., (a) $353,500, (b) $344,500, (c) $353,500, (d) $353,500; P. J. Ryan, 314 West 44th St., (a) $353,719, (b) $345,694, (c) $353,719, (d) $353,719. Bidders all of New York.

Bids are asked until noon, April 6, for furnishing decorative mosaic ceilings in the Hall of Records Building. Horgan & Slattery, 1 Madison Ave., are Archs. John F. Ahearn, Boro. Pres.

R. H. McDONALD & CO., 5 West 31st St., have been awarded the general contract for the construction of a 12-story brick, stone and steel fireproof apartment house to be erected at West End Ave. and 156th St. Charles E. Birge, 5 West 31st St., is Arch. Estimated cost, $600,000.

NEW YORK, N. Y.—The contract for the structural steel work on the building to be erected at 20-24 Vesey St. for the New York Evening Post has been awarded to the PASSAIC STEEL CO., Paterson, N. J. Noted fully on March 8.

Frederick C. Zobel, Arch., 114 East 28th St., is preparing plans for a new 11-story fireproof store and loft building, 50 × 99 ft., to be erected at 41 West 25th St.

Charles B. Rouss, 549 Broadway, will erect a 12-story fireproof building, 50 × 100 ft., at 125 Mercer St. W. J. Dilthey, 1 Union Sq., is Arch.

NEW YORK, N. Y.—The general contract for constructing a 5-story stable building, 100 × 100 ft., for B. Altman & Co., Sixth Ave. and 19th St., has been awarded to WILLIAM CRAWFORD, 5 East 42d St. Trowbridge & Livingston, 452 Fifth Ave., are Archs.

LOWE & JANISH, 200 East 116th St., have received the general contract to build a 4-story garage building, 75 × 100 ft., to cost $60,000, for the Atlas Motor Co., 87 Thomas St. Charles M. Straub, 122 Bowery, is Arch.

The Trust Company of America, Liberty St. and Broadway, will erect at 37-41 Wall St., a 24-story bank and office building, with a basement and sub-basement, to cost about $1,500,000. The GEORGE A. FULLER CO., Broadway and 23d St., will be the general contractors; and Francis H. Kimball, 71 Broadway, will be the Arch.

Plans have been filed by W. W. Astor for a 12-story brick and stone apartment house, 204 × 248 ft., to be erected at Broadway and 78th St. The building will enclose a court, 96 × 134 ft., and the estimated cost is $2,000,000. Clinton & Russell, 32 Nassau St., are Archs.

Bids are in and general contract has not yet been awarded for a building to be erected on East 102d St. for the Harlem Market Co. W. K. Benedict, 38 E. 21st St., is Arch. Estimated cost, $50,000.

BUFFALO, N. Y.—Bids are asked by Francis G. Ward, Comr. Pub. Wks., until 11 a. m., April 5, for the erection of a 16-room brick school-house.

ENGLEWOOD, N. J.—Plans for the new bank for the Palisades Trust & Guaranty Co. have been prepared and bids are asked until March 29. Brick and stone, two stories and basement, 40 × 65 ft. Aymar Embury, 63 William St., New York, is Arch.

TRENTON, N. J.—Plans have been completed and have gone out for figures for the construction of the new parochial school for the Church of the Immaculate Conception, in this city. Bids close 10 a. m., April 9. Henry Dogit, 435 Chestnut St., Philadelphia, Pa., is Arch.

PHILADELPHIA, PA.—Newman & Harris, Archs., Land Title Bldg., it is stated, are preparing plans for a 3-story colonial residence to be erected at 10th and Clinton Sts., for Mrs. William Logan Fox, at a cost of $50,000.

The contract for the structural steel work on the elevated passenger station to be erected by the Philadelphia Rapid Transit Co. at 65th and Market Sts. has been let to the AMERICAN BRIDGE CO., 261 South Fourth St., Philadelphia, at about $200,000.

ALLENTOWN, PA.—The contract for the construction of the $50,000 vaudeville theater, 63 × 150 ft., at Sixth and Linden Sts., for Wilmer & Vincent, of Reading, has been awarded to E. C. HORN, 1440 Broadway, New York, N. Y. Fuller Claflin, 1440 Broadway, New York, is Arch.

BALTIMORE, MD.—Bids were opened March 22, at the office of James Knox Taylor, Supervising Arch., for the installation of a vacuum cleaning system in the custom-house at Baltimore, Md., as follows: Sanitary Devices Mfg. Co., 11 East 24th St., New York, $4,940, time, June 1, 1906; General Compressed Air House Cleaning Co., St. Louis, Mo., $3,895, time, 90 days; Vacuum Cleaner Co., 72 Trinity Place, New York, $4,750, no time specified.

NORFOLK, VA.—The Jamestown Hotel Corporation will soon advertise for bids for the construction of a large hotel, the Inside Inn, with 975 rooms, at the Jamestown Exposition. Plans and specifications will be issued this week.

CHARLESTON, S. C.—Specifications are on file at the office of the Engineering News, 220 Broadway, New York, for construction of a 3-story brick and steel building at the navy yard here. Bids are asked until April 28.

TALLAHASSEE, FLA.—Bids are asked by N. B. Broward, Chn. Com., until 10 a. m., April 17, for the construction of the Governor's Mansion at Tallahassee. H. J. Klutho, Jacksonville, Fla., is Arch.

DONALDSONVILLE, LA.—Bids are asked by George B. Reuss, Pres. Bd. Education, until noon, April 11, for constructing High School building at Donaldsonville. Mackenzie & Goldstein, 407 Tulane-Newcombe Bldg., New Orleans, La., are Archs.

LOUISVILLE, KY.—The fiscal court, at special session, directed Brinton B. Davis, Arch., 500 Masonic Bldg., to advertise for bids at once for work of renovating the Jefferson County Court-house. Plans were adopted, which include fireproofing the entire building, raising roof, installing skylights, also steel record cases, etc. Cost, $115,000.

We are informed that contract for erecting the steel work for the new 14-story office building for the Lincoln Savings Bank is not yet awarded. Snead Architectural Iron Works Co., Louisville, has the letting of this contract.

CLEVELAND, O.—It is reported that the CAREY CONSTRUCTION CO. has secured the contract to erect the 6-story reinforced concrete mercantile building on Prospect Ave. for McGuire & Walsh, the cost to be about $100,000. Emil Uhlrich, Colonial Bldg., is Arch.

TIFFIN, O.—The board of trustees of Heidelberg University, Tiffin, let the general contract for a dormitory and gymnasium to F. H. SIEVERT, Bloomville, O., and CHARLES ERNST, Tiffin, O. To be 3 stories, built of brick and stone, $50,000. Patton & Miller, 140 Dearborn St., Chicago, Ill., are Archs.

CLEVELAND, O.—Bids are asked by Clerk of Board of Education, until noon, April 16, for furnishing material and constructing addition to Outhwaite School.

SOUTH BEND, IND.—The general contract for an orphans' home, to be erected at South Bend, Ind., for the Children's Aid Society, was awarded to H. C. CHRISTMAN, South Bend. To be 2 stories, 100 × 50 ft., built of brick and stone. $60,000. Mrs. J. McSmith, South Bend, is Secy.

TERRE HAUTE, IND.—The Board of Education has awarded a second contract to JOHN H. SCHUMACHER & CO., of Indianapolis, for a new school building here. Cost, $80,000.

AGRICULTURAL COLLEGE, MICH.—Bids are asked by A. M. Brown, Secy., until noon, April 4, for construction of engineering building.

PEORIA, ILL.—Arland W. Johnson, Arch., of Toledo, is preparing plans for the new Majestic Theater to be built by W. D. Dickson and Henry Sandmeyer, opposite the Herald Transcript Bldg. It is to cost $60,000.

CHICAGO, ILL.—The plot of ground at Indiana Ave. and 26th St., Chicago, has been purchased by Benjamin Rosenthal and Stephen Hexter, for the congregation of B'nai Sholom. It is stated that a new $100,000 church will be erected there.

Bids have been received for the construction of an addition to convent at 800 North Oakley Ave., Chicago, for Josaphina Convent. It will be four stories, 72 × 62 ft. Cost, $75,000. Barnett, Haynes & Barnett, 168 Michigan Ave., are Archs.

WHEATON, ILL.—CHARLES G. BLAKE & CO., 184 La Salle St., Chicago, Ill., have the contract for the construction of a mausoleum at Wheaton, Ill., for E. H. Gary, chairman of the United States Steel Corporation, New York. It will have a ground area of 52 × 25 ft., and will be 25 ft. high, with granite exterior, white Italian marble interior, to contain a large chapel and 32 crypts, and cost $100,000.

CHICAGO, ILL.—W. A. Nicholson, Arch., 6541 Greenwood Ave., has prepared plans for an apartment building to be built at Calumet Ave. and 60th St., for Chas. M. Varickman. It will be three stories, 66 × 130 ft., and cost $80,000.

D. H. Burnham & Co., Archs., Railway Exchange Bldg., let the carpenter contract to the HENNESSEY BROTHERS CO., 95 Dearborn St.; and plumbing to the HANLEY-CASEY CO., 45 East Ohio St., for an addition to Carson, Pirie, Scott & Co.'s retail store at State and Madison Sts. It will be 12 stories, 105 × 144 ft., with foundations substantial enough to carry 18 stories, have white glazed terra cotta front, and cost about $800,000. Otto Young is Owner.

URBANA, ILL.—The Trustees of the University of Illinois have let the contract to ENGLISH BROS., of Champaign, Ill., for the construction of an auditorium building. Cost, $91,861.

NEENAH, WIS.—The contract for constructing the new High School here was awarded to HERMAN WILDHAGEN, of Appleton, Wis. The new building will cost $75,000.

DUBUQUE, IOWA.—WILLIAM WILEY, of this city, has received the contract, at $81,000, for the erection of the German Presbyterian Theological Seminary, for which John Spencer, Arch., Bank & Insurance Bldg., Dubuque, prepared plans.

DAVENPORT, IA.—The general contract for erecting the hotel for the Davenport Hotel Co. was awarded to V. JOBST & SONS, of Peoria, Ill., at $159,500. Contract for heating (not including boilers) to THOMAS & SMITH, Chicago, Ill., at $6,162. Contract for plumbing to J. J. WADE & SON CO., Chicago, Ill., for $14,180. Temple, Burrows & McLane, Davenport, are Archs.

ST. PAUL, MINN.—The general contract for erecting Mound Park Hospital was awarded to CHARLES SKOOGLUN, of this city. Cost about $75,000.

MINNEAPOLIS, MINN.—It is reported that the First National Bank proposes erecting a brick, stone and reinforced concrete bank building on South Fifth St., to cost $143,000.

DENVER, COLO.—Plans have been completed for the construction of a 6-story building at the corner of 15th and Glenarm Sts., for the Denver Dry Goods Co. Cost, $200,000. F. E. Edbrooke, Opera House, Denver, is Arch.

SEATTLE, WASH.—It is reported that Moritz Thompson, Pres. Centennial Milling Co., and A. M. Springs, of this city, will erect a 14-story steel hotel at Jackson St. and Sixth Ave. Approximate cost, $500,000.

Plans have been completed for a 5-story Y. M. C. A. building, 110 × 120 ft., fireproof construction; cost, $140,000. James Stephen, New York Block, Seattle, is Arch.

SEATTLE, WASH.—Bids are asked by Reuben W. Jones, Secy., until noon, April 7, for the construction of a High School building.

SPOKANE, WASH.—The contract for the erection of the new armory building was let to WILLIAM OLIVER & CO., of this city.

ST. HELENS, ORE.—Bids are asked by H. Henderson, County Clerk, until 10 a. m., April 10, for constructing of a court-house for Columbia county. Hendrick & Toby, Lalee Bldg., Portland, are Archs.

FRESNO, CAL.—The following bids were opened March 26, at the office of James Knox Taylor, Supervising Arch. of the Treasury, for construction of a Government building at Fresno, Cal.: Morse Contracting Co., Topeka, Kan., $99,941, time, Nov. 30, 1907; Pacific Constructing Co., San Francisco, $124,500, time, same; Tom Lovell & Sons, Denton, Tex., $120,299, time as specified; Wm. H. Maxwell, Pierce, S. D., $107,967, $128,825, $119,167, $116,233, $113,817, time, Nov. 30, 1907; Barnes Bros., Henderson, Ky., $145,000, time as specified; Northwestern Construction Co., Wahpeton, N. D., $133,000, time, Sept. 15, 1907; Lindgren-Hicks Co., San Francisco, $124,000, Nov., 1907; Campbell Building Co., Salt Lake City, $125,672, time, Nov. 30, 1907; J. H. Wiese, South Omaha, Neb., $113,480, time, Nov. 30, 1907.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

DIXFIELD, ME.—A gravity system of water mains, three miles long, will be built by the Dixfield Electric & Water Co. J. A. Decker is Pres.

CHARLESTON, N. H.—A. W. Dudley, Engr., of Manchester, writes us that this town will construct a gravity system of water-works to cost $45,000. The franchise of the Water & Sewer Co. will be purchased. F. H. Perry is Town Clk.

HANCOCK, N. H.—The citizens have voted to construct a gravity system of water-works to include 3½ miles of pipe, a reservoir and hydrants for fire purposes. C. H. Duncan, Chn. Water Com. Engineer, A. W. Dudley, Manchester.

WEST SPRINGFIELD, MASS.—It is reported that the Water Board will soon ask for bids for the construction of a pumping station and filtration plant for the development of the Bear Hole water supply. C. M. Woodward is Secy. Water Comrs. Geo. N. Merrill & Co., Springfield, are Engrs.

WALTHAM, MASS.—The following bids have been received for the construction of the new reservoir here: P. Malloy & Sons, Boston, $37,997; Bell Engineering & Construction Co., 220 Broadway, N. Y., $33,687; Coleman Bros., 15 Court Sq., Boston, $30,295; Simpson Bros., Corp., 166 Devonshire St., Boston, $23,286.

PROVIDENCE, R. I.—Bids are asked until 11 a. m., April 4, by the Department of Public Works, for about 1,600 tons of 12 and 16-in. c. i. pipe. Walter F. Slade is Comr. (Advertised, Engineering News.)

PROVIDENCE, R. I.—It is reported that the Board of Aldermen has passed a resolution providing for the extension of the high-pressure water service, from West Exchange St. to Olneyville Sq., with branches on other streets, to cost in all about $86,000. Otis F. Clapp is City Engr.

AUBURN, N. Y.—Specifications for laying intake pipe, as noted in issue of March 15, are on file at offices of Engineerings News, New York, Chicago, and Washington. Bids to be opened April 11. J. F. Skinner, Rochester, is Engr.

MALONE, N. Y.—It has been decided to build a new municipal water-works system. R. McC. Miller is City Clk.

NYACK, N. Y.—Geo. H. Sherman, Supt. Water-Works, has prepared estimates for the construction of a new pumping main to cost about $18,000.

ASBURY PARK, N. J.—Bids are asked until noon, April 18, for cast-iron pipe and specials, hydrants, water cranes, etc. John L. Coffin is Supt. Dept. of Water and Sewers. (Advertised, Engineering News.)

EAST ORANGE, N. J.—The following bids have been received for furnishing and laying pipes, etc., as noted in issue of March 15: M. J. Drummond & Co., c.-i. pipe and specials, $15,320; laying pipe and connecting wells, Stone & Lutz, $18,438; S. B. Opdyke, $25,359; Robt. W. Smith, $24,703; P. H. & J. Conlan, $22,905; McCay Engineering Co., $14,396; centrifugal pump and electrical machinery, B. K. Baseler & Co., $3,835; Bellman & Sanford, $4,670, and McCay Engineering Co., $4,270. C. C. Vermuele is Engr.-in-Charge.

ERIE, PA.—The WALKER FOUNDRY CO. has been awarded the contract for about 40 tons of gray iron castings at $2.75 per 100 lbs. Benj. E. Briggs is City Engr.

PHILADELPHIA, PA.—Specifications for the pumping machinery to be installed at the Torresdale Filter Station are on file at offices of Engineering News, New York, Chicago and Washington. Bids to be opened April 26. C. E. Gillette, Ch. Engr.

NEW CASTLE, DEL.—It is reported that the New Castle Water-Works Co. will remodel its plant at a cost of $50,000.

MANCHESTER, VA.—Contract for the filter plant, noted in issue of March 22, has been awarded to the ROBERTS FILTER CO., of Philadelphia, at about $20,000.

TIFTON, GA.—Bids are asked until April 2 by Leon A. Hargraves, City Clk., for driving an 8-in. well for city water supply. Arthur Pero, 619 Temple Court Bldg., Atlanta, is Engr.

EMPORIA, VA.—It is stated that the Greensville Water Power Co. will soon advertise for bids for the construction of a 36-ft. stone dam and installation of machinery that will develop about [illegible] HP. on Meherrin River at this place.

ATLANTA, GA.—The Council has appropriated $14,770 for the construction of a reservoir. R. M. Clayton is City Engr.

MARIETTA, GA.—Bids are asked by the Georgia Manufacturing & Public Service Co. for building a dam, pipe line and concrete building for filter plant.

FORT DE SOTO, FLA.—Bids are asked until March 31 by Lieut. A[illegible] T. [illegible], Const. Q. M., U. S. A., for constructing two water tanks at this post.

ATHENS, ALA.—Bids are asked until April 16 for the construction of a water tank here. Address the Mayor.

HATTIESBURG, MISS.—Bids are asked until 7.30 p. m., April 10, by the Mayor and Board of Aldermen, for the construction of a water-works extension, sanitary and storm sewers, street paving and curbing and sewer concrete abutments. C. W. [illegible] is Mayor. Richard C. Huston, City Engr. (Advertised, Engineering News.)

BATON ROUGE, LA.—Plans and specifications for the construction of a water-works system are being prepared. [illegible] Stewart is City Engr.

NEW ORLEANS, LA.—It has been decided to construct an entirely new water system. Plans are being revised. Geo. G. Earle is Gen. Supt. Water Dept.

KNOXVILLE, TENN.—Water improvement bonds to the amount of $750,000 have been ordered sold by the Council. An entirely new system is planned. W. C. [illegible] is City Engr.

OWENSBORO, KY.—The GUENTHER-WRIGHT MACHINE WORKS, a local company, has secured contract for boring new wells, at $8,115. E. B. Shipley is City Engr.

BOWLING GREEN, O.—It is reported that the water-works company here will erect an auxiliary plant during the spring. Well tests are now being made. John Gallier is City Engr.

MUNCIE, IND.—It is reported that Board of Public Works has made a new contract for 20 years with the Muncie Water-Works Co., and it is stated that the company will construct new sedimentation tanks and a clear water reservoir, and lay out 3 [illegible] of new pipe. John A. Potter is City Engr.

NEGAUNEE, MICH.—This city contemplates the installation of 700 water meters in addition to the 200 just purchased.

ROCHESTER, MICH.—It has been decided to bond the village for $6,000 to build a system of water-works.

CHICAGO, ILL.—Bids for live steam purifiers at the Chicago Ave. pumping station, as noted in issue of March 8, have been withdrawn. New bids will be asked calling for six instead of three.

Bids are asked until March 29 for repairs at the 39th St. pumping station. J. M. Patterson is Comr.

ROCKFORD, ILL.—Daniel W. Mead, of Chicago, in his report to Council on the pumping station, is stated to have recommended an air lift suitable to care for 2,000,000 or 3,000,000 gallons, including piping, and three new wells with electrically driven pumps, to cost from $35,000 to $40,000.

PARKRIDGE, ILL.—Contract for the erection of a 100,000-gallon water tank, as noted in issue of Feb. 1, has been awarded to the CHICAGO BRIDGE & IRON WORKS, at $5,430.

RHINELANDER, WIS.—Bids are asked until March 29 by the Board of Public Works for the construction of a water-works system.

WATERLOO, IA.—Bids are asked until 3 p. m., May 1, by the Waterloo Water Co., for drilling a well to a depth of 1,500 ft. J. E. Sedgwick is Secy. (Advertised, Engineering News.)

ST. PAUL, MINN.—Bids are asked until March 29 by the Board of Water Commissioners for laying water mains in several streets. John Caulfield is Secy.

DULUTH, MINN.—Contract for furnishing 1,700 tons of c.-i. water pipe has been awarded to the U. S. CAST-IRON PIPE & FOUNDRY CO., at $50,940.

BIWABIK, MINN.—It is reported that bonds for $10,000 have been voted to build water-works.

CLOQUET, MINN.—Bids are asked by J. Loisee, City Clk., for a water-works franchise.

HOLTON, KAN.—W. K. Palmer, 718 Dwight Bldg., Kansas City, Mo., has been engaged to prepare plans for water-works, light plant and sewerage system to cost about $83,000.

TYNDALL, S. DAK.—Plans and specifications for a new water tower and tank are being prepared and work will begin as soon as they are completed.

SOUTH SHORE, S. DAK.—HESS & RAU, of Watertown, S. Dak., are reported to have secured the contract for a system of water-works, at $6,600.

RINER, WYO.—A water pipe line will be constructed by the Union Pacific Ry. Co. from Rawlins to this city, a distance of 18 miles.

LEWISTOWN, MONT.—It is planned to build a water-works system here at an estimated cost of $35,000.

BALLINGER, TEX.—Contract for remodeling the pipe system here, as noted in issue of March 15, has been awarded to J. W. MOORE & SON, of Lampasas, Tex., at about $14,000. J. M. Powell is Mayor.

BROWNWOOD, TEX.—A dam and pumping station will probably be built by this city at an estimated cost of $18,000. N. Worinskorld, of Dallas, is Engr. F. H. Cordell, City Secy.

HARLINGEN, TEX.—Bids are asked by Chester B. Davis, Engr., of Harlingen, for the construction of an irrigation ditch.

LLANO, TEX.—A. J. Silker and associates, of Austin, have purchased the local waterworks and will make improvements at a cost of about $20,000.

ROFF, IND. T.—Bids are asked until April 24, by Randolph Lawrence, for all material necessary for the construction of a waterworks system. Bids for material only. (Advertised, Engineering News.)

CHICKASHA, IND. T.—Contract for the construction of a water-works and sewer system has been awarded to W. W. COOK & SON, at $45,555. J. Dews is City Clk.

ARTESIA, N. MEX.—The Council is reported to have passed an ordinance providing for the issue of $50,000 bonds for water-works.

WAITSBURG, WASH.—It is proposed to improve the city water plant by the installation of an up-to-date filtration plant.

SEATTLE, WASH.—Bids are asked until March 31 by C. B. Bagley, Secy. Bd. Pub. Wks., for laying water mains on Thackery Pl. at an estimated cost of $18,500.

Contract for laying water mains on East Union St. was awarded to STIRRAT & GOETZ, at $31,710.

HOOD RIVER, ORE.—The Hood River Electric Light & Water Co. is making arrangements to build a reservoir with capacity of 250,000 gallons and a filtration plant. W. H. Chipping is Supt.

PORTLAND, ORE.—Bids are asked until 3 p. m., April 11, by the Water Board for supplying water meter and other supplies for the Water Department. Frank Dodge is Supt.

A 300,000-gallon reservoir is to be built this year by the Woodmere Water Co., which supplies the Arleta section so that capacity of the water plant may be doubled.

SEBASTOPOL, CAL.—Bids are asked until 8 p. m., April 3, by the Board of Trustees for furnishing and laying water mains. J. W. Threlefall is Town Clk.

RIVERSIDE, CAL.—Bids are asked until 2 p. m., April 18, by the Commissioner of Indian Affairs, Washington, D. C., for water irrigation and sewer systems at Sherman Institute. Harwood Hall is Supt.

VICTORIA, B. C.—Bids are asked until April 2 by W. W. Northcott, Purchasing Agent, for water meters, etc.

TORONTO, ONT.—Bids are asked until noon, May 1, by the Chairman Board of Control, for cast-steel pipes and castings and cast iron pipe required for the high-pressure fire system. E. Coatsworth is Mayor and Chn. Bd. Control. (Advertised, Engineering News.)

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

WILTON, N. H.—It is reported that the sewer system here will be extended to the east end of the village. A. W. Dudley is Engr.

MILFORD, MASS.—Plans for a new sewer system will be prepared as soon as an engineer can be engaged. J. F. Hickey is Chn. Com. in Charge.

FALL RIVER, MASS.—WILLARD M. PETTY has been awarded the contract for furnishing the sewer pipe to be used during the year. P. D. Borden is City Engr.

BEVERLY, MASS.—It is reported that sewers will be laid in Water, Cabot and Porter Sts. and on McKinley Ave., at an estimated cost of $42,750. W. J. Berry is City Engr.

PEABODY, MASS.—Plans have been prepared for a sewerage system to cost about $26,900. C. H. Goulding is Chn. Sewerage Com. F. A. Barbour, City Engr.

NEW BRITAIN, CONN.—Bids are asked until 4 p. m., April 10, by the Board of Sewer Commissioners, for building sewers, manholes, etc. Plans and specifications are on file at office of Engineering News, New York. Wm. H. Cadwell, 213 Main St., is Engr. (Advertised, Engineering News.)

HARTFORD, CONN.—The following contracts have been awarded: F. B. & W. H. O'Neil, Benton St., at $4,781; HARTFORD PAVING AND CONSTRUCTION CO., Otis, Putnam and Avon Sts., at $4,947.

Contract for the sewer on Main St. was held up, the bids being much higher than the estimate of the City Engineer. F. L. Ford is City Engr.

NEW HAVEN, CONN.—It is reported that sewer construction to cost $14,029 is planned. C. W. Kelly is City Engr.

WEST SENECA, N. Y.—Plans for a new system of sewerage, to cost about $227,663, have been prepared by D. Fairchild, of Buffalo, for the town of West Seneca.

BUFFALO, N. Y.—Bids are asked until 11 a. m., April 5, by the Department of Public Works, for the construction of sewers in several streets. F. G. Ward is Comr.

UTICA, N. Y.—Contract for a sewer in Genessee St. has been awarded to JOHN SIEGRIST, at $3,353. Paul Schultz is City Engr.

NEW YORK, N. Y.—Bids are asked until 11 a. m., April 2, by Joseph Bermel, Pres. Queens Borough, for constructing sewers and catch basins in various streets.

RIDLEY PARK, N. J.—See under Streets and Roads.

PLAINFIELD, N. J.—We are informed that Geo. H. Pierson, Engr., 50 Broadway, New York, has been engaged to prepare plans and estimates for a sewerage system for North Plainfield.

CAMDEN, N. J.—Contracts for building three sewers were awarded as follows: Lengths St., Mount Ephraim Ave. to Louis St., ANDON WARD, at $1.09 per lin. ft.; Twenty-seventh St., Hayes to Atlantic Ave., B. T. SWEETEN & SON, $1.18 per lin. ft.; Twenty-seventh St., Pleasant Ave. to Cramer Ave., B. F. SWEETEN & SON, $1.20 per lin. ft. L. E. Fernham is City Engr.

ALTOONA, PA.—It is planned to construct a storm sewer in Beaver St., Gaysport. J. L. Henry, Engr., is preparing plans.

MOUNT CARMEL, PA.—DE NALLO & KLINGBERG, of Kingston, N. Y., have received the contract for sewer construction here, at $39,040. T. Chalkley Hatton is Engr.

EASTON, PA.—Contract for a storm sewer on Lincoln St. has been awarded to JOHN McINERNEY, at $4,333.

ROANOKE, VA.—Bids are asked until noon, April 14, by W. E. Thomas, Clk. of Council, for constructing sewers. W. B. Bates is City Engr.

MONTGOMERY, ALA.—Bids are asked until April 2, by R. S. William, City Treas., for constructing sanitary sewers in Scott, Alabama, Jackson, High Union and Water Sts. A. R. Gilchrist is City Engr.

BIRMINGHAM, ALA.—Bids are asked until noon, April 5, for the construction of 8,000 ft. of branch sewers. Julian Kendrick is City Engr.

HATTIESBURG, MISS.—See under Water Supply—Irrigation.

NEW ORLEANS, LA.—Bids are asked until March 31, for constructing a sewer system at Jackson Barracks, La. Capt. B. T. Clayton is Q. M.

LOUISVILLE, KY.—The Board of Public Works has awarded R. L. CLARK the contract for constructing brick sewers in 26th St.

ASHTABULA, O.—Bids for the W. Camp St. sewer, noted in issue of March 15, has been rejected.

CLEVELAND, O.—Bids are asked until noon, April 7, for the construction of a sewer in Coit Ave., East Cleveland. J. P. Arter is Village Clk.

ANN ARBOR, MICH.—Bids are asked until 7 p. m., April 11, by the Board of Public Works, for storm sewers. Ross Granger is City Clk.

MENOMINEE, MICH.—Contract for sewers on two streets has been let to C. H. NORTON, of Marinette, Wis., at $2,849.

LANSING, MICH.—Contract for the extension of Weiman Creek Valley sewer has been let to J. A. BLACK, at $7,957. H. A. Collar is City Engr.

GRAND RAPIDS, MICH.—According to the estimates of L. W. Anderson, City Engr., about $91,000 will be the cost of the projected Hilton St. sewer.

MOLINE, ILL.—Ordinances have been passed for sewers here to cost $68,000. Clark G. Anderson is City Engr.

ELGIN, ILL.—Ordinaces have been passed ordering a complete new sewer system to cost about $267,840.

WAUKESHA, WIS.—Bids are asked until 2 p. m., March 30, by the Board of Public Works, for the construction of pipe sewers. William Powrie is City Engr.

OSHKOSH, WIS.—Bids are asked until noon, April 16, by the Board of Public Works, for sewers in several streets. Geo. H. Randall is City Engr.

DES MOINES, IA.—Plans are being prepared for a trunk sewer in E. Ninth St. J. W. Budd is City Engr.

CENTERVILLE, IA.—SPOONER, PAYTON & FINK have been awarded the contract for constructing new sewers in E. State, N. Main and N. Tenth Sts.

OSKALOOSA, IA.—Bids are asked until April 9 for sewerage construction in several streets. Richard Burke is City Clk.

PIPESTONE, MINN.—Bids are asked until 7.30 p. m., April 11, by S. W. Funk, City Recorder, for completion of sewer system.

ST. PAUL, MINN.—Contracts have been awarded to JOHN LIND and RYAN & JOHNSON for sewer construction, at $2,300.

The assembly has passed a final order for the construction of the Warrendale sewer system, to cost $53,000.

HOLTON, KAN.—See under Water-Works—Irrigation.

ELLSWORTH, KAN.—The city council has granted a franchise to E. W. Wellington for a period of 21 years for the construction of a system of public sewers.

OMAHA, NEB.—Bids are asked until 2 p. m., April 3, by Andrew Rosewater, City Engr., for the construction of sewers. W. H. Elbourn is City Clk.

SPRINGFIELD, MO.—Bids are asked until 9 a. m., April 3, for the construction of sewers. W. H. Schreiber is City Engr.

HOUSTON, TEX.—Mayor H. Baldwin Rice in his annual message recommends that the city join with the County Commissioners in constructing surface drainage in the 3d and 4th Wards, which it is estimated would cost $100,000.

OKLAHOMA CITY, OKLA.—The city has awarded the contracts for the construction of the $250,000 sanitary and storm sewer system to CHARLES DERR and JOS. SEVERNS, of Guthrie.

SEATTLE, WASH.—We are officially advised that bids will be received by the Board of Public Works until about April 14, for the construction of sewers in Eastlake Ave., and connecting streets and avenues, at an estimated cost of $97,500. R. H. Thompson is City Engr.

WAITSBURG, WASH.—Plans have been prepared for a sewerage system to be built at an estimated cost of $10,228. J. B. Wilson, of Walla Walla, is Engr.

ST. JOHN, WASH.—BUCHEL BROS., of Portland, have been awarded contract for the construction of a sewerage system on Jersey and Philadelphia Sts., at $4,275.

SAN DIEGO, CAL.—The contract for the construction of the B St. reinforced concrete conduit was awarded to the STANLEY CONTRACTING CO., of San Francisco, whose bid was $69,866. F. H. Dixon is Secy. Bd. Pub. Wks.

BINGHAM CANYON, UTAH.—Secretary T. B. Beatty, of the State Board of Health, has ordered the construction of a new sewer system for this place.

BOISE CITY, IDAHO.—Bids are asked until noon, April 5, by the City Clerk, for building lateral sewers and appurtenances. J. A. Beal is City Clk. (Advertised, Engineering News.)

COEUR D'ALENE, IDAHO.—This city is to be divided into improvement districts and bonds issued to pay for a sewer system. The approximate cost of the entire system will be $29,000.

LEWISTON, IDAHO.—We are informed that sewers to cost $114,000 are planned for this city. G. N. Miller is Sewer Engr.

NEW WESTMINSTER, B. C.—McQUARRIE & CO., New Westminster, have received a contract for laying the sewer on Fourth Ave., at $10,241.47.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

CHICOPEE, MASS.—Bids are asked until April 2, by the Board of Health, for collecting the city's garbage for one year from May 1.

WHEELING, W. VA.—ALBERT GEHRING, 421 Coal St., is reported to have secured the contract to collect the kitchen garbage and offal for two years, from June 1, at $15,500 per year.

GRAND RAPIDS, MICH.—The report of the Garbage Committee, recommending city collection of garbage has been accepted by the council and contract for its disposal awarded to BROWN & DOWLING, who will erect a plant near the city. L. W. Anderson is City Engr.

MINNEAPOLIS, MINN.—Plans have been completed for the rebuilding of the garbage crematory which was burned recently. A spur of the Minneapolis, St. Paul & Sault Ste. Marie Ry. will be built to the plant, and much of the refuse handled by rail. Andrew Rinker is City Engr.

ST. LOUIS, MO.—Members of the Board of Public Improvements who recently visited the Cleveland and Chicago garbage plants will recommend the construction of a crematory, at a cost of about $200,000.

SEATTLE, WASH.—The Council has passed an ordinance appropriating $30,000 for the building of a garbage crematory. It is reported that plans are being prepared and bids will be asked in a short time.

RACINE, WIS.—The DECARIE GARBAGE INCINERATING CO., of Minneapolis, Minn., is reported to have secured the contract for building the proposed garbage crematory, at $13,464.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

HOLYOKE, MASS.—Bids are asked until 1.30 p. m., March 30, by the Board of Public Works for granite curbing. Specifications are on file at office of Engineering News, New York. M. F. Walsh is Chn.

FALL RIVER, MASS.—Beattie & Wilcox were the lowest bidders for granite curbing at 75 cts. per lin. ft. for straight and $1.26 for curved. It is reported that they will receive the contract.

PLAINVILLE, CONN.—MARTIN E. PIERSON, of Bristol, Conn., has been awarded contract for the construction of macadam roads, at $2,725.

HEBRON, CONN.—Bids are asked until 3 p. m., April 5, by the Selectmen for the improvement of four sections of gravel and gravel-telford roads. E. T. Smith is first Selectman.

PLATTSBURG, N. Y.—Bids are asked until April 6 by the Board of Public Works for about 5,000 sq. rds. of asphalt block paving and 1,525 lin. ft. of combined concrete curb and gutter. John Haughran is Chn.

ROCHESTER, N. Y.—The following bids have been received for paving: Park Ave., asphalt, Rochester Vulcanite Co., $46,005; Whitmore, Rauber & Vicinus, $46,806; Rock Asphalt Co., $48,085; brick, Hagaman, Miller & Hagaman, $47,875. Cortlandt St., Medina block, Hagaman, Miller & Hagaman, $17,644; Whitmore, Rauber & Vicinus, $17,756; W. F. & G. V. Lauer, $19,276; asphalt, Rochester Vulcanite Co., $14,009; Whitmore, Rauber & Vicinus, $14,381; Rock Asphalt Co., $14,685. Second St., Brayer & Albaugh, $131,529. Third St., H. B. Hooker & Son, $13,672. Fourth St., Whitmore, Rauber & Vicinus, $23,314.

BUFFALO, N. Y.—Bids are asked until 11 a. m., April 5, by the Department of Public Works for repaving Main St. and Hughes Ave. F. G. Ward is Comr.

NEW YORK, N. Y.—Bids are asked until 2 p. m., April 5, by J. W. Stevenson, Comr. of Bridges, for furnishing and delivering 150,000 granite paving blocks.

NEW YORK, N. Y.—Warren Bros. Co., 253 Broadway, had served an injunction on the president of the Borough of Richmond, New Brighton, S. I., on March 27, restraining him from opening bids for repaving portions of several streets in New Brighton. Bids were asked until noon, March 27, for furnishing approximately 20,500 sq. yds. of asphalt block pavement. George Cromwell, Boro. Pres.

NEW YORK, N. Y.—Bids are asked until 11 a. m., April 2, by Joseph Bermel, Pres. Queens Boro., for regulating, grading, curbing and paving several streets and for furnishing crushed stone, limestone, trap-rock, street signs and sign-posts.

HOLLY BEACH, N. J.—It is reported that Pacific Ave. will be paved with vitrified brick on concrete base. H. S. Hewitt is Boro. Clk.

HOBOKEN, N. J.—The Theil Contracting Co. is reported to have been low bidders for paving Bergenline Ave. with Belgian blocks, at $52,284. J. H. Londrigan is City Clk.

ATLANTIC CITY, N. J.—EDWARD S. LEE is stated to have secured the contract for supplying all trap rock to be used for street repairs, during the present year, at $1.74⅞ per ton.

RIDLEY PARK, PA.—Plans are being prepared for street paving and sewer extensions to cost $30,000. J. J. Collier is Burgess.

LEWISTOWN, PA.—It is reported that $50,000 will be expended for vitrified brick paving as soon as plans are finished. Wm. Moore is Boro. Engr.

CHESTER, PA.—Bids are asked until 10 a. m., April 2, by S. B. Pennington, Chn. Com. on Sidewalks, for laying pavements and curbing during the year.

WILMINGTON, DEL.—Bids for macadamizing the Causeway road have been rejected and it is reported that new bids will be asked. F. A. Price is Highway Comr.

ROANOOKE, VA.—Bids are asked until noon, April 14, by W. E. Thomas, Clk. of Council, for grading, macadamizing and guttering several streets and constructing sidewalks. W. B. Bates, City Engr.

HUNTINGTON, W. VA.—Bids are asked until noon, April 4, by F. F. McCullough, County Clk., for keeping all county roads in repair.

SPARTANBURG, S. C.—We are informed by Fred L. Bryant, Engr., that the SOUTHERN BITULITHIC Co. has received a contract for 60,000 sq. yds. of bitulithic pavement, at $1.75 per yd.

CHARLESTON, S. C.—Bids are asked until April 5 by J. B. Heckley, Supt. Streets, for about 8,000 lin. ft. of bluestone, gneiss, granite or concrete curbing, and for laying about 9,000 sq. yds. of concrete or other artificial sidewalk.

AUGUSTA, GA.—W. F. BOWE, of Augusta, has been awarded the contract for paving two streets with small Belgian block, at $2.05 per sq. yd. All bids for brick paving were rejected. Nisbet Wingfield is City Engr.

JACKSONVILLE, FLA.—Bids are asked until 2.30 p. m., April 2, by the Board of Public Works for filling low lands with earth. Approximate quantity, 100,000 cu. yds. Philip Prioleau is City Engr.

ENSLEY, ALA.—Contract for constructing sidewalks and curbing in several streets has been awarded to J. L. MULLARKY, of Birmingham.

HATTIESBURG, MISS.—See under Water Supply—Irrigation.

ITTABENA, MISS.—Bids are asked until April 3 by Mayor and Board of Aldermen for constructing four miles of sidewalks. H. H. Nabors is Mayor.

HOUMA, LA.—Bids are asked until April 11, by Chas. V. Moore, Special Road Comr. at Schriever, for two of the latest improved road machines.

OWENSBORO, KY.—Bids are asked until noon, April 3, by W. W. Owen, County Judge, for constructing about four miles of macadam or gravel roads. H. M. Talbott is Engr. in Charge.

CLEVELAND, O.—Contract for the paving of several streets, as noted in issue of March 22, has been awarded to SPENCE BROS., 2923 Euclid Ave., at about $45,000.

Bids are asked until noon, April 7, by the Clerk of the Village of East Cleveland, for improving Prospect, Lockwood and Fay Sts. and Elberon, Delmont and Lakeview Aves. Each street must be bid on separately. James P. Arter is Village Clk.

MIDDLETOWN, O.—It is reported that the contract for grading S. Young St. and Grand Ave. was awarded to HENSEY & COX at 19 cts. per sq. yd.

STEUBENVILLE, O.—Bids are asked until noon, April 14, by James Wherry, Road Commissioner at Skelly Station, for grading and macadamizing a road.

VALPARAISO, IND.—Bids are asked until 10 a. m., April 9, by the Commissioners of Porter County for construction of 9,193 ft. of gravel roads in Portage Township. S. P. Corboy is Audr.

RENSSELAER, IND.—Bids are asked until April 16, by the Commissioners of Jasper County, for the construction of stone roads. Jas. N. Leatherman is Audr.

SOUTH BEND, IND.—Bids are asked until April 3, by the Board of Public Works, for the construction of 10,000 sq. yds. of asphalt and 21,000 sq. yds. of brick pavement. A. J. Hammond is City Engr.

GRAND RAPIDS, MICH.—According to press reports the Board of Public Works has approved the estimates for paving W. Leonard St. at a cost of $42,000.

Bids are asked until 2 p. m., April 7, for grading and paving with asphalt block North College Ave. S. G. Brandy is Pres. Bd. Pub. Wks. S. A. Freshney, Secy.

NORTH BRANCH, MICH.—Bids are asked until April 15 for the construction of about 90,000 sq. ft. of sidewalks. A. C. Galbraith is Village Clk.

FLINT, MICH.—Contract for paving Detroit St. with brick has been awarded to TIMOTHY LYNCH, of Flint, at $9,643.

Council has ordered the paving of Third St. D. E. Newcombe is City Clk.

LANSING, MICH.—Bids are asked until 7.30 p. m., April 9, by the City Clerk for paving Franklin Ave. H. A. Collar is City Clk.

PEORIA, ILL.—We are officially advised that J. S. ALLEN has been awarded contract for paving three streets as follows: Persimmon St., $10,680; Spencer St., $15,906; Wisconsin St., $3,956.

BLOOMINGTON, ILL.—The contract for brick paving on Olive St. has been awarded to O. W. DUNLAP, of Bloomington, at $1.59 per sq. yd. for paving and 58 cts. per lin. ft. for granitoid curb and gutter. Elmer Folsom is City Engr.

SUPERIOR, WIS.—E. A. DAHL, 1109 N. 6th St., has received the contract for paving N. 7th St. at $22,215. S. M. White, City Engr.

WATERTOWN, WIS.—Bids are asked until April 10, by the Board of Public Works for the construction of 14,443 sq. yds. of brick pavement and 7,166 sq. yds. of macadam roadway, together with stone curb and cement curb and gutter. E. B. Parsons is City Engr.

DES MOINES, IA.—Only two bids for the construction of sidewalks during the year, as noted in issue of March 15, have been received. Cook Construction Co. bid 8 cts. per sq. ft. for brick paving and the King Lambert Construction Co. bid 11 cts. for cement.

BOONE, IA.—The following bids are stated to have been opened for paving portions of Green, Story and W. 7th Sts.: MAGDEN & SHELBY, of Des Moines, $19,619 (awarded contract); E. H. Samuelson, of Boone, $21,-260; M. Ford, of Cedar Rapids, $21,907, and Wm. Horriben, of Iowa City, $22,905.

DAVENPORT, IA.—The contract for paving with asphalt portions of Gaines and Division Sts. was awarded to McCARTHY IMPROVEMENT CO., of Davenport, at $1.70 and $1.53 per sq. yd. respectively.

The Council is reported to have rejected all bids opened March 6 for paving portions of Brady, 18th, Scott, Ripley and High Sts. According to reports new bids will be received.

BURLINGTON, IA.—Bids are asked until April 2, by the council, for 15,000 sq. yds. of brick pavement and 6,500 lin. ft. of concrete curb. Wm. Steyth is City Engr.

AUSTIN, MINN.—FIELDING & SHEPLEY, of St. Paul, Minn., have been awarded the contract for paving several streets here.

OBERLIN, KAN.—Bids are asked for about 100,000 ft. of residence district and 50,000 ft. of business district sidewalks. Plans and specifications with bids are asked from cement, vitrified brick and stone contractors. Address Joseph H. Young.

FREMONT, NEB.—MICHAEL FORD has been awarded the contract for 13 blocks of pressed brick paving at $1.84 per. sq. yd. J. W. Andrews is City Engr.

ST. JOSEPH, MO.—The Board of Public Works is stated to have received bids as follows for paving with brick a portion of Penn St.: A. J. Dillingham, $1.18; Rackliffe & Gibson, $1.18¾, and Phoenix Brick Constr. Co., $1.25. Price given is per sq. yd.

SHERMAN, TEX.—Bids are asked until 10 a. m., March 31, for paving Union St. D. P. Davis is Chn. Bd. Pub. Wks.

CHANDLER, OKLA.—Bids are asked until April 5 by the Board of County Commissioners for road construction. J. E. Rea is Clk.

PUEBLO, COLO. — The CLEVELAND TRINIDAD PAVING CO., of Cleveland, O., has been awarded the contract for paving to be done here, at $130,000.

SEATTLE, WASH.—A resolution has been passed by the council declaring its intention to improve Pine St. and other streets, by regrading the same, at an estimated cost of $136,000. R. H. Thompson is City Engr.

LOS ANGELES, CAL.—It is reported that contract for improvements on Shatto Drive has been awarded to CHARLES STANSBURY, at $3.87 per ft., for grading and graveling and 34 cts. per ft. for curb. Harry F. Stafford is City Engr.

REDLANDS, CAL.—N. L. LEVERING was awarded the contract for paving Franklin Ave., at $17,548.

OGDEN, UTAH.—We are officially informed that bids will soon be asked for all concrete sidewalks, curbs and gutters for the year 1906. A. F. Parker is City Engr.

MONTREAL, QUE.—Council Road Committee on March 15th awarded the following contracts for supplies: Tile pipes, to HYDE & WEBSTER, at prices varying according to size, etc., from 5c. to $2.50 a yd. CAVERHILL LEARMONT & CO. were awarded the contract for spikes, at $2.10 per 100 lbs. J. T. MARCHAND & CO., contract for white pine inch boards, tongued and grooved, at $20.50 per 1,000 ft.; of pine inch boards, rough, at $19; of spruce planks, at $32, and of yellow pine at $39.50. W. McNALLY, for Hercules cement, at 59 cts. per 100 lbs., and A. BREMNER, for Crescent cement, at 55 cts. Castings at $2.35 per 100 lbs.; cast iron gullies at $19 each, and manhole covers at $15.60 each were awarded to the CANADIAN IRON & FOUNDRY CO. The contract for bricks and squares at $10.50 per 1,000, and of bevels at $13 was divided between HYDE & WEBSTER and the STINSON, REEB BUILDERS SUPPLY CO., both tender prices being the same. The coal tar contract was divided between A. McARTHUR & CO., the PATTERSON MANUFACTURING CO., and LOCKERBY & McCOMB, at 7 cts. per gallon. The contract for curbstone went to A. MANDEVILLE, at 39c. for straight and 59c. for curved blocks. F. D. LAWRENCE, the contract for flagstone sidewalks, at prices varying according to size and quality from $1.60 to $2.38 a sq. yd. laid.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

WORCESTER, MASS.—The contract for erecting the factory and tenements for the Rochdale Woolen Co. was awarded to A. P. ROBBINS, 452 Main St., Worcester. The new factory will be two stories, 86 × 376 ft.

VALLEY FALLS, R. I.—It is reported that the Nanshon Mill Co., of this place, will build a new bleachery. The new building will be 75 × 100 ft. Malcolm Chase is Pres.

TORRINGTON, CONN.—It is reported that the Warrentown Woolen Co., of this place, will erect an addition to its present plant.

WESTVILLE, CONN.—The Geometric Tool Co. has plans completed for another 2-story addition to its present factory. The addition will be mill construction, 32 × 148 ft.

SYRACUSE, N. Y.—Plans have been completed for a mill for Rogers & Hilton, of West Fayette St. The mill will be two stories, 52 × 110 ft., brick, stone and steel. W. W. Taber, 852 Oneida County Savings Bank, Syracuse, is Arch.

HOBOKEN, N. J.—It is reported that A. A. Gery, Pres. United States Brick Co., Reading, Pa., will erect a brick plant within six miles of Hoboken, at a cost of $1,500,-000. The plant is to be located on the Hackensack River, where the company has purchased about 700 acres of land.

TRENTON, N. J.—Bids have been received for an addition to the factory of F. A. Strauss & Co. Brick, stone and steel, three stories, costing $100,000. H. E. Finch, 136 East State St., Trenton, is Arch.

CAMDEN, N. J.—It is reported that the Stnadard Sanitary Manufacturing Co., 35 West 31st St., New York, has planned to erect a factory here at a cost of $500,000.

WILKES-BARRE, PA.—Bids are being received by the Stegmaier Brewing Co. for a new cold storage and bottling plant here. Brick and steel, fireproof, five stories, 100 × 100 ft.

SCRANTON, PA.—It is stated that the International Text Book Co., 434 Wyoming Ave., Scranton, will erect a new factory building for the manufacture of typewriters. Brick, stone and steel.

EASTON, PA.—We are informed that the Lehr Piano & Organ Co., of this city, will rebuild its factory. The new building will be of brick, and will be three stories high.

The Easton Cordage Co. is having plans drawn for an addition to its factory. Brick, stone and steel, three stories. Cost, $25,000.

PHILADELPHIA, PA.—The contract for erecting the factory at 346 East Walnut Lane, for the Excelsior Underwear Co., was awarded to McCARTY & WITMAN, 345 York Ave., Philadelphia.

DENVER, PA.—Bids have been received for the construction of a shoe factory here for the Denver Shoe Co. New equipment will be required.

READING, PA.—Plans have been completed and bids have been asked for the construction of a hosiery mill for S. S. Miller, 238 Walnut St. The building will be two stories, slow burning, with new equipment.

BALTIMORE, MD.—JOHN HILTZ & SON, 3 Clay St., have been awarded contract for the construction of two warehouses for the Crown Cork & Seal Co. to be situated on Eastern Ave., between the Pennsylvania and Baltimore & Ohio Railroad Co.'s tracks.

The FRED WRIGHT CO. has been awarded contract for the construction of a 1-story factory for Jerome I. Vogeler on First St., near Toone St., Canton. The structure will be used for the manufacture of decorative glass. George Carroll, Baltimore, is Arch.

PELHAM, GA.—We are informed that the Pelham Manufacturing Co. will erect an addition 105 × 175 ft. to its present plant. The addition will be two stories, mill construction. The company acts as its own engineer, and has already awarded parts of the equipment contract to the KITSON MACHINE COMPANY, of Lowell, Mass., and MASON MACHINE WORKS, of Taunton, Mass.

BROOKSVILLE, FLA.—A company has been organized here with Dr. G. V. Grinn, Pres., F. B. Coogler, Vice-Pres, and Neil Law, Secy., to erect a 10-ton ice and cold storage plant.

COMO, MISS.—Plans have been completed for the new cotton compress to be erected here. It will be of brick and wood, 400 × 600 ft., and a new Webb high density press will be installed. John H. Taylor, Comr., is interested.

MEMPHIS, TENN.—The contracts for installation of new machinery for the factory of the Moore & McFerren Lumber Co. were awarded to the BERLIN MACHINE WORKS and the AMERICAN WOODWORKING MACHINE CO., both of Chicago, Ill.

AUGUSTA, KY.—Plans have been completed for the construction of foundry for E. H. Huenefeld at this place. Building will be two stories, 100 × 350 ft. Boll & Taylor, 1303 First National Bank Bldg., Cincinati, O., are Archs.

BUCYRUS, O.—The contract for constructing the new steel foundry for the Bucyrus Steel Castings Co. was awarded to the INDIANA BRIDGE CO., of Munice, Ind.

CLEVELAND, O.—The contract for erecting the new factory for the Cleveland Twist Drill Co. was awarded to GEORGE B. McMILLAN, Cleveland. The new buildings will be of brick, stone and concrete. Richardson & Watts, 942 Prospect Ave., Cleveland, are Archs.

CLEVELAND, O.—The construction of a 5-story factory building, 90 × 300 ft., is proposed by the Cleveland Worsted Mills Co. G. H. Hodgson is Mgr.

CHICAGO, ILL.—The MORAVA CONSTRUCTION CO., 1245 Marquette Bldg., 204 Dearborn St., was awarded the steel and iron contract for extensive additions to be built to a plant at North 48th Ave. and West Division St. for Pettibone, Mulliken & Co., manufacturers of railway supplies, 725 Marquette Bldg. Schock & Swanson, 164 Dearborn St., are Archs. The plan is estimated to cost $1,000,000.

Plans have been completed for a factory at West Lake St. and Willow Ave. for the Meyercord Co. The factory will be three stories, pressed brick, 90 × 110 ft. W. G. Williamson, 153 La Salle St., Chicago, is Arch.

It is reported that the Roos Manufacturing Co. will erect a new plant at Fisk and 16th Sts., Chicago. The main building will be four stories, brick and stone, 40 × 130 ft. Cost, $60,000.

WICHITA, KANS.—The Western Biscuit Company, Frank C. Wood, Pres., will erect a new 4-story brick factory building at William and Wichita Sts., for the manufacture of candies, crackers, etc. Cost, $30,000.

OMAHA, NEB.—It is proposed by the Alfred Bloom Company, 15th and California Sts., to erect a 3-story brick addition, 33 × 132 ft., to its planing mill.

PINE BLUFF, ARK.—The W. D. BOYCE ENGINEERING CO., of St. Louis, Mo., has been awarded the contract for erecting the car factory of the St. Louis-Southwestern Railway Co. Cost, $200,000.

SEATTLE, WASH.—Plans are being prepared for improvements to be made to the Challoner-Perkins plant, which the Union Machinery & Supply Company has recently purchased. Estimated cost, $100,000.

NAMPA, IDAHO.—Plans have been completed for a brewery for the Christen Brewing Co. here. The main structure will be five stories, 79 × 138 ft., fireproof, steel and concrete. James Lockmann, Nampa, will receive all bids. J. B. Barthel, 1441 Unity Bldg., Chicago, Ill., is Arch.

PORTLAND, ORE.—It is reported that the Pacific Coast Co., of Ballard, Wash., will erect a new plant at a cost of $300,000. F. M. Baum, Ballard, Wash., is Mgr.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

ROAD MACHINES.—Houma, La.—See under Streets and Roads.

CONCRETE MASONRY, ETC.—See under Electric Railways, Baltimore, Md.

CONCRETE ABUTMENTS.—Hattiesburg, Miss.—See under Water Supply—Irrigation.

DREDGING.—Port Arthur, Ont.—Bids are asked until April 14 for dredging required in harbor at Port Arthur. Fred Gelinas, Secy. Dept. Public Works, Ottawa, Ont.

DREDGING.—Ottawa, Ont.—Bids will be received until April 14 by Fred Gelinas, Secy. Dept. Public Works, Ottawa, for the dredging required in the Mission and Kaministiquia Rivers, Ontario.

ROCK REMOVAL.—New York, N. Y.—Bids are asked until noon April 25, by Col. W. R. Livermore, Engrs., Army Bldg., for removal of Pot Rock at Hell Gate, N. Y. (Advertised, Engineering News.)

DRAINAGE DITCH.—Spencer, Ia.—Bids are asked until 10 a. m., April 6, for constructing drainage ditch in District No. 2. The same consists of about 42,000 cu. yds. of excavation. E. F. Marker is Auditor.

DITCH.—Cleveland, O.—Wm. H. Evers, County Engr., states that THOS. W. NICHOLSON, of Cleveland, has secured the contract for constructing Dover ditches, 32,260 cu. yds. excavation at 20.5 cts. per cu. yd.

JETTY.—Cleveland, O.—Bids will be received until April 11 by the Board County Commissioners, Julius C. Dorn, Clk., for constructing a line of piling and construction of jetty per report No. 1112, Brecksville Township.

ENGINES, BOILERS, ETC.—Wheeling, W. Va.—Bids are asked until 11 a. m., April 10, for furnishing engines, boiler, pumps, etc., for Lock No. 4, Little Kanawha River, W. Va. Major George A. Zinn, Engrs. (Advertised, Engineering News.)

BLASTING.—Portsmouth, N. H.—The Bureau of Yards and Docks, Navy Dept., has rejected all bids, opened March 3d, for removing by blasting a ledge of rock in front of quay wall, Portsmouth Navy Yard. The reason given is that the bids were excessive.

DITCH.—St. James, Minn—Bids will be received until April 4 by the Board County Commissioners for constructing Sections 1 and 2 of the County Ditch, requiring the removal of about 22,862 cu. yds. earth in Section 1 and laying about 345 rods of tile in Section 2. Est. cost, $4,365.

STEAM SHOVEL WORK.—New York, N. Y.—Ficklen & Stobaugh, 76 Pine St., New York, will let contract for 200,000 cu. yds. steam shovel work and 150,000 cu. yds. grading of all kinds in Borough of Queens. Work is ready at once. Will let in part or as whole contract. (Advertised, Engineering News.)

DITCH.—Anoka, Minn.—Bids were received on March 23 for constructing ditch No. 42. We are informed that contract was given to O. F. DOYLE, St. Cloud, Minn., for 15 cts. a cu. yd., a total of about $7,200. L. L. STEWART, of St. Francis, Minn., was awarded contract for No 43, at 16¼ cts. a cu. yd., a total of about $2,575. Arthur A. Caswell, Auditor.

CEMENT.—Los Angeles, Cal.—The Secretary of the Interior has awarded contract to the PACIFIC PORTLAND CEMENT CO., of San Francisco, Cal., for supplying from 8,000 to 10,000 bbls. of Portland cement for the Klamath Project, California and Oregon. Two bids were received, that of the Pacific Portland Cement Co., $1.55 f. o. b. mill at Tolenas, Cal., being the lowest, freight rate of 32 cts. considered.

FILLING.—Jacksonville, Fla.—The Board of Public Works, City Building, Jacksonville, will receive bids until April 2 for filling with earth low lands owned by the city bordering on Hogan's Creek, to be used for park purposes. Estimated quantity under contract to be approximately 100,000 cu. yds. Plans and specifications are on file in office of Philip Prioleau, City Engineer. P. A. Dignan, Chn. Bd. of Public Works.

FREIGHT STEAMER.—Boston, Mass.—THE MARYLAND STEEL CO., Sparrow Point, Md., has received contract for a freight and passenger steamer for the Boston Towboat Co., of Boston, Mass., for use on its Boston-Philadelphia route. The new boat will measure 276 ft. between perpendiculars, 920 ft. over all, 42 ft. beam and 28 ft. 3 in. depth at side. There will be one triple expansion engine, the cylinders of which will measure 28, 45 and 72 ins. in diameter, respectively, having a common stroke of 48 ins. Steam will be furnished by four Scotch boilers, each 13 ft. 9 ins. in diameter and 12 ft. long, carrying a working pressure of 180 lbs. steam. There will be one screw, driving the vessel at a speed of 13½ knots when loaded.

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

SUCTION DREDGES.—Panama.—The Isthmian Canal Commission has postponed the date of opening of bids for sea-going suction dredges from April 3, at 10.30 a. m., until April 19, at the same hour. Notice is March 15.

POWER PLANT.—Canal Zone.—Plans and specifications are now being prepared by the Isthmian Canal Commission for electric light plant at Empire, Canal Zone. The appropriation for this plant is $50,000. David W. Ross is Purchasing Agent, Panama Canal Bldg., Washington, D. C.

PUBLIC WORKS.—Cuba.—The Gaceta Oficial" of February 26, contains announcement of laws sanctioning the expenditure of: (1) $700,000 on public works, mainly road and bridge construction, in various provinces of Pinar del Rio and Habana; (2) $100,000 on dredging and other improvement work at the port of Isabela de Sagua; (3) $50,000 on studying the best means of preventing the floods periodically caused by the overflowing of the Roque. The Government may employ for these studies native or foreign engineers, whether residing in Cuba or elsewhere, who have been habitually engaged in carrying out hydraulic works.

SUPPLIES.—Panama.—The Isthmian Canal Commission will receive bids until April 13 for various supplies, of which the following are of interest to engineers. Steel sheets and plates, sheet iron, rivets, twist drills, galvanized and cast-iron pipe fittings, valves, 8,000 ft. wire rope, 1,600,000 ft. B. M. lumber for siding, flooring, ceiling and finishing, four Scotch marine boilers, complete supplies for electric light plant, including two generator sets, 100-KW.; two D. C. generators and motors, two-phase generator, feeder and load panels, 63 transformers, three tubular boilers, vertical, 120 H.P.; pipe material, material for interior wiring.

MONUMENT.—Manila, P. I.—We are officially advised that the Rizal Monument Committee of the Philippine Islands is prepared to receive competitive designs for a monument to Jose Rizal, the Filipino patriot, writer and poet, to be erected in Manila in the Luneta Drive. The estimated cost must not exceed $100,000 (Philippine currency). Prizes of $5,000 and $2,000 (Philippine currency) will be awarded for the accepted first and second prizes. Designs must be presented not later than March 30. Dr. Maximino M. Paterno, Secy., San Sebastian St., No. 162. Plan and conditions governing the competition are on file at office of Engineering News, New York.

SUPPLIES.—Panama.—Plans and specifications will shortly be issued by the Isthmian Canal Commission for a large quantity of supplies of interest to engineers. The principal articles called for are: Four locomotive coaling cranes of ten tons capacity, four of 20 tons, two transfer pit hydraulic jacks of 15 tons capacity, 60-in. length of ram; two transfer pit hydraulic jacks for engine truck pit. Also 6 horizontal tubular boilers, designed to carry a working pressure of 130 lbs. per sq. in. connected in one battery. These boilers are to be used for the installation of air compressors in connection with the canal. Each boiler's shell is to be made in three courses, each course being one plate; diameter, 84 ft. measured on the outside of the small course and designed for flush front. Heads, 18 ft. apart outside. Boilers are to be equipped with all necessary fittings.

ELECTRIC RAILWAY.—Havana, Cuba.—We are officially advised that the Havana Central Railroad Co., which now operates 120 miles of road in the province of Havana, has taken definite steps to increase its mileage by 150 miles. The equipment to be purchased will be of the heavy electric railroad class, standard freight cars, with workshops and power plants of adequate capacity to be installed at suitable locations. The franchise gives the company the exclusive privileges to construct and operate electric light plants for public use in any or all towns through which the road will pass. Already $10,000,000 have been expended on the project, but the estimated cost of construction work, heavy pier masonry along the water front, passenger and freight depots, line extensions, light plants, rolling stock, etc., has been placed at about $20,-000,000 additional. G. F. Greenwood, 32 Broadway, New York, is Gen. Mgr., and A. W. K. Billings, Hanava, Cuba, is Ch. Engr.

HOTEL BUILDING. — Manila, P. I.—The Bureau of Insular Affairs of the War Department, Washington, D. C., is in receipt of information from the Philippines that the city government of Manila has invited proposals, to be opened on September 15, 1906, for the purchase of a lease of a hotel site on the Luneta, the site in question being approximately 500 × 600 ft., with an assessed valuation of $224,000 and fronting on a new boulevard on the east, with the Luneta on the South, Manila Bay on the west, and the new commercial center and works of the port on the north. We are officially advised that "according to the general plan of the city of Manila, the site is advantageous from every point of view, being conveniently near the government offices and the future commercial center of Manila and within easy walking distance for tourists from steamships. From the observations of those who have been long in the Philippines, a hotel containing 150 to 200 rooms would secure a full patronage, and the proposals must contemplate the erection of a hotel of that size at least. Hotel accommodations in Manila have been wholly inadequate from the date of the American occupation and at this time there is hardly a hotel there worthy of the name. To parties who will purchase the lease of this site and construct a hotel conforming to the plans for the beautification of the city of Manila special inducements are offered. The Luneta is a popular promenade and driveway along the old sea wall, where congregate in carriages and on foot the elite of the city of Manila in the evenings and where concerts are given by the army constabulary bands." Specifications and data are on file at office of Engineering News, New York.

CIVIL SERVICE EXAMINATIONS

DYNAMO ENGINEMAN.—New York, N. Y.—An open competitive examination will be held on April 12, 10 a. m., for the position of Dynamo Engineman. The receipt of applications will close at 4 p. m., April 5. William F. Baker, Pres. Municipal Civil Service Comn., 61 Elm St., New York. (Advertised, Engineering News.)

TOPOGRAPHICAL DRAFTSMAN. — New York, N. Y.—An open competitive examination will be held on April 24, at 10 a. m., for the position of topographical draftsman. The receipt of applications will close on April 10th. William F. Baker, Pres. Municipal Civil Service Commission, 61 Elm St. (Advertised, Engineering News.)

ARCHITECTURAL DRAFTSMAN, ETC.—Albany, N. Y.—The State Civil Service Commission announces examinations to be held April 14, for the following positions: Architectural Draftsman, $15 to $25 a week; engineering examiner, State Civil Service Commission, $1,500; Boiler Inspector, Dept. Public Works, $3,000; Inspector of Gas and Electricity, State Commission of Gas and Electricity; Rodman, State Engineer's Department, $3.50 a day; Zoologist, State Museum, $1,200. The last day for filing applications is April 9. Application forms and detailed information may be obtained by addressing Charles S. Fowler, Chief Examiner, at Albany.

ENGINEER AND CARPENTER.—Winnebago, Neb.—The U. S. Civil Service Commission announces an examination on April 18 to fill a vacancy in the position of engineer and carpenter, at $660 a year, in the Indian Service at Winnebago, Neb. Applicants should at once apply for application Form 1093.

COAST ARTILLERY, U. S. A.

MASTER ELECTRICIANS.—Fort Totten, N. Y.—Wanted: Master Electricians for Coast Artillery, U. S. Army. Graduate of standard schools of technology or others of equivalent theoretical education, and three years' practical experience with steam and electricity, under 33 years of age and unmarried. Pay and allowances as follows: Pay, $75 per month. Allowances, house, food, clothing, fuel, light, medical attendance, etc. After 30 years' service, retirement on three-quarters pay and allowances. Apply to Secretary, School of Submarine Defense, Fort Totten. (Advertised, Engineering News.)

INDUSTRIAL NOTES.

MR. PERCIVAL M. CHURCHILL, until Jan. 1, Engineer U. S. Reclamation Service in charge of the Williston (N. Dak.) District pumping projects, has opened an office at 6 Beacon St., Boston, Mass., for the practice of general engineering.

THE NORTHERN ENGINEERING WORKS, Detroit, has recently supplied to the foundry of the Holland Radiator Co., Bremen, Ind., about 1,700 ft. of overhead trolley track with hangers, curves, switches and trolleys, comprising a modern overhead foundry distributing system.

WILLIAMS, PROCTOR & POTTS, INC., have been organized by R. B. Williams, Jr., R. F. Proctor and Clyde Potts, Civil and Sanitary Engineers. The firm was formerly Williams & Whitman, Inc., Mr. E. B. Whitman having severed all connections. The office of the new company is at 902 Whitehall Bldg., New York.

THE AMBURSEN HYDRAULIC CONSTRUCTION CO., of Boston, has commenced work on a concrete-steel dam near Ricketts Station, Pa., the dam being 32 ft. high and about 400 ft. long. The storage from this dam will be worked off over a head of about 900 ft. and the pond created will substantially store the entire rainfall of the year on the tributary drainage area.

MR. JOS. F. I. FULLER, who was formerly Engineer and Purchasing Agent for a large New York metal company, has opened salesrooms at 50 Reade St., New York, where he will represent certain firms making castings, forgings and machine work. Mr. Fuller wishes to add to his representation the names of a few leading manufacturers in the western states. Mr. Fuller has very favorable connections in Argentina and he expects to do considerable business with that country.

THE LIMA LOCOMOTIVE & MACHINE CO., Lima, O., has received orders during the past week for locomotives from the following firms: Owl Bayou Cypress Co. La., one 15-ton Shay; Kirby Lumber Co., Tex., two 37-ton Shays; B. & N. R. R., Tex., one 28-ton Shay; Lackawanna Lumber Co., Pa., one 65-ton Shay; Standard Lumber Co., La., one 20-ton Shay; Pt. Susan Logging Co., Ore., one 37-ton Shay; Ore. Timber Co., Ore., one 37-ton Shay; Kilpatrick Bros. & Collins, Neb., one 45-ton Shay. This is the third order received within a very short time from this firm for a Shay locomotive.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 118.

WATER-WORKS IN FILTRATION GALLERY.

Office City Clerk,
Columbus, Indiana.

Sealed proposals will be received at this office up to 8 P. M. April 16, 1906, for the construction of a wooden Infiltration Gallery 210 feet long in White River.

The Common Council reserves the right to reject any or all bids.

GEORGE VORWALD, City Clerk.
W. H. RIGHTS, Civil Engineer. 13-1t

SEWER CONSTRUCTION.

New Britain, Conn.

Sealed bids will be received by the Board of Sewer Commissioners of New Britain, Conn., at their office, No. 213 Main St., up to four o'clock, Tuesday, April 10, 1906, for building sewers, manholes, and appurtenances for two sections of the city's sewer system, as per plans, profiles and specifications on file in the office of said Commissioners, as follows:

Section E., approximately three and one-half miles of pipe sewers, from eight inches to eighteen inches in diameter, depth from five feet to twenty-four feet.

Section F., approximately four and one-tenth miles of pipe sewers from eight inches to twenty inches in diameter and from five to thirteen feet deep.

Bids will be received for each section separately.

Each bid for each section shall be accompanied with a certified check for one thousand ($1,000.00) dollars, payable to the Treas. of the City of New Britain, Conn.

All bids shall be made upon blanks furnished by the City.

The right is hereby reserved to reject any or all bids as the interest of the City may appear.

SAMUEL H. STEARNS,
EDGAR H. BEACH,
JAMES HEALY,
Board of Sewer Commissioners.

Address,
WILLIAM H. CADWELL, Engineer,
13-2t No. 213 Main St., New Britain, Conn.

Plans and specifications are on file at the office of Engineering News, New York.

ASPHALT PAVING, ETC,

Office of the Board of Public Works,
Salt Lake City, March 6, 1906.

Sealed proposals will be received at this office until 3 o'clock p. m., Wednesday, April 11th, 1906, for the work of grading, curbing and paving State Street, from Fourth South Street to Seventh South Street, and Fourth South Street, from West Temple Street to Second East Street.

The approximate quantities of work to be done are as follows:

Grading	14,000 cubic yards
Curbing	9,400 linear feet
Asphalt Pavement	36,000 square yards
Concrete Pavement	360 square yards

Instructions to bidders, together with specifications and forms for contract and bond, can be obtained upon application at the office of the Board of Public Works or City Engineer.

The right is reserved to reject any and all bids.

By order of the Board of Public Works.

F. J. LEONARD,
Chairman.

LOUIS C. KELSEY,
City Engineer. 11-3t

(City Arms)

HIGH PRESSURE FIRE SYSTEM.

Tenders will be received by registered post only, addressed to the Chairman of the Board of Control, City Hall, Toronto, Canada, up to noon on Tuesday, May 1st, 1906, for the supply of Cast-Steel Pipes and Specials, and also for the Cast-Iron Special Pipes and Castings required for the High Pressure Fire System.

Envelopes containing tenders must be plainly marked on the outside as to contents.

Plans and specifications may be seen and forms of tender obtained at the office of the City Engineer, Toronto, Canada.

The usual conditions relating to tendering as prescribed by City By-law must be strictly complied with.

The lowest or any tender not necessarily accepted.

E. COATSWORTH (Mayor)
13-3t Chairman Board of Control.
City Hall, Toronto, Ont., March 23, 1906.

Municipal Civil Service Commission,
61 Elm Street,
New York, March 27, 1906.

Public notice is hereby given that an open competitive examination will be held for the position of Topographical Draftsman on Tuesday, April 24, 1906, at 10 a. m. The receipt of applications will close on Tuesday, April 10, 1906, at 4 p. m.

For scope of examination and further information apply to the Secretary.

WILLIAM F. BAKER, President;
R. ROSS APPLETON,
ALFRED J. TALLEY,
Civil Service Commissioners.
FRANK A. SPENCER,
Secretary. 13-2t

WATER-WORKS EXTENSION, SEWERS, PAVING, CONCRETE ABUTMENTS.

Hattiesburg, Miss.

Sealed proposals will be received by the Mayor and Board of Aldermen of the City of Hattiesburg, Miss., until 7.30 p. m., April 10th, 1906, for the construction of the following public improvements:

CONTRACT NO. 1. WATER-WORKS EXTENSION.

For removing and replacing 11,000 ft. cast-iron water pipe, including hydrants, valves, etc.

For laying 44,883 ft. of 4 to 12-in. cast-iron water pipe.

For furnishing 555.96 tons of cast-iron water pipe larger than 4-in.

For furnishing 96.71 tons of 4-in. cast-iron water pipe.

For furnishing 81 hydrants.

For furnishing 61 valves, 4 to 12-in.

For constructing 17 special valve boxes.

CONTRACT NO. 2. SANITARY AND STORM SEWERS.

For—
2 septic tanks
4,466 ft. of 8 to 12-in. sewer, av. cut 6 ft.
4 flush tanks.
15 manholes.
10,301 ft. of 9 to 18-in. storm sewer, cut from 5 to 10 ft.
46 manholes.
100 catch basin inlets.
2 bulkheads.

Also extra work in repairing old sewers for which actual cost, plus 10 per cent. will be allowed.

CONTRACT NO. 3. STREET PAVING AND CURBING.

Bids will be received for Asphalt, Bitulithic and Brick Paving. Also for Granite Curb and Combined Curb and Gutter.

10,000 cubic yards of excavation.
22,000 lineal feet curb.
45,000 square yards paving, including:
50,000 square feet reinforced concrete over refilled trenches.

CONTRACT NO. 4. SEVEN CONCRETE ABUTMENTS.

Approximately 700 cubic yards.

Specifications for the above work can be had by applying to Richard C. Huston, City Engineer, Office Keyes Building, Hattiesburg, Miss.

Certified check for Contracts No. 1, 2 and 4 for 10 per cent. of the amount of bid, and for Contract No. 3 for 5 per cent. of the amount of bid, must accompany each proposal as an evidence of good faith of the bidder.

This will be let under the rules of the American Public Works Association. This work will be paid for in cash for which $200,000 is available.

The City reserves the right to reject any or all bids.

C. W. RICH, Mayor.
A. FAIRLEY, City Clerk.
RICHARD C. HUSTON, City Engineer. 13-2t

NOTICE OF RECEPTION OF PROPOSALS FOR PAVEMENT ON SUSQUEHANNA STREET.

City Clerk's Office,
Binghamton, N. Y., March 20, 1906.

Notice is hereby given that sealed proposals for paving Susquehanna Street, from the east line of Exchange Street to the west line of Carroll Street, in accordance with the specifications prepared by the City Engineer now on file in the City Clerk's Office, will be received at the City Clerk's Office of the City of Binghamton, N. Y., until 5 o'clock, April 9, 1906, and will be opened by the Common Council at a meeting to be held on said date.

Proposals will be received for paving with vitrified brick on a six inch hydraulic cement concrete foundation, and each bidder will be required to state in his proposal the kind of brick which he proposes to use.

Approximate estimate of brick, 2,742 square yards; of concrete, 457 cubic yards; excavation, 914 cubic yards.

Bidders will be required to state separately price on broken stone and gravel concrete.

Blank forms for proposals may be obtained of the City Clerk at his office.

The Council reserves the right to reject any or all bids.

D. C. HERRICK,
12-2t City Clerk.

DEPARTMENT OF THE INTERIOR, Washington, D. C., March 24, 1906.—Sealed proposals will be received at the office of the Engineer, U. S. Geological Survey, Garden City, Kansas, until 2 o'clock p. m., Saturday, April 28, 1906, for the construction of fifteen (15) steel highway bridges in Comanche County, Oklahoma. Particulars may be obtained from Chas. E. Gordon, Engineer, Garden City, Kansas. THOS. RYAN, Acting Secretary. 13-4t

FURNISHING AND LAYING CAST IRON PIPE.

Orange, N. J.

Sealed proposals endorsed "Proposals for furnishing 20-inch cast iron pipe and special castings," also, "Proposals for laying 20-inch pipe, etc., and addressed to the "Chairman of the Committee on Water," will be received by the City Clerk at the hour of eight o'clock in the evening on Monday, the ninth day of April, A. D. nineteen hundred and six, in the Common Council Chamber, Canfield Street Engine House, and opened publicly at a meeting of the Common Council, to be held on the same evening, in the presence of the bidders who may choose to attend for the following stated purposes, to wit:

Contract No. 1. For furnishing about
2,200 tons 20-inch cast iron pipe.
20 tons special castings.
Contract No. 2. For laying about
28,000 feet of 20-inch cast iron pipe and appurtenances.

Proposals must be made on the blank forms to be obtained from the City Engineer, and will be considered as inoperative if not in all respects in conformity with this notice. Bidders must state their prices in writing or words at length, as well as in figures.

Each proposal must be accompanied by an undertaking of a Surety Co., authorized to do business in the State of New Jersey, to the amount of

$25,000 for Contract No. 1.
$50,000 for Contract No. 2.

That it will enter into indemnity bond to that amount upon the award of the contract to the successful bidder.

Plans and specifications may be seen at the office of the City Engineer, Orange National Bank Building.

No bid will be considered unless the party making it shall furnish evidence satisfactory to the Common Council of his experience and ability in this class of work, and his financial ability successfully to prosecute the said contract in case the same shall be awarded him.

Bidders are required to state in their bids their individual names and places of residence in full.

The right to accept or reject any or all proposals is reserved as may be deemed best for the interests of the city.

Dated, Orange, N. J., March 15, 1906.

FRED T. CRANE,
3-22-2t City Engineer.
12-2t

PIPE, HYDRANTS, ETC.

Asbury Park, N. J.

SEALED PROPOSALS are invited until 12 m. of April 18, 1906, for cast iron pipes and specials, combination fire hydrants and water cranes, and stop valves and box covers, for the proposed increase and extension of the water system of Asbury Park, N. J.

The right is reserved to reject any or all bids.

Specifications on file, or may be obtained on application to

JOHN L. COFFIN,
Supt. Dept. of Water and Sewers,
Asbury, Park, N. J.

ISAAC S. CASSIN, Jr., C. E.,
2906 Girard Ave., Philadelphia, Pa. 13-2t

STEAM SHOVEL WORK.

Borough of Queens.

200,000 yds. steam shovel work. 150,000 yds. grading of all kinds. Work ready at once. Will let in part or whole. Payment every two weeks. FICKLEN & STOBAUGH, 76 Pine St., New York. 13-1t

WATER-WORKS.

Roff, Ind. Ter.

Sealed bids will be received by Randolph Lawrence at Roff, Ind. Ter., and opened April 24th, 1906, for all the material needed in the construction of a system of Water-Works to be built in said town. There will be required, boilers, pumps, boiler-feed pumps, heater, hydrants, valves, cast-iron water pipe, stand-pipe or water tower, lead, oakum, steam pipe and fittings.

Specifications and requirements fully stated can be had by addressing the O'NEILL ENGINEERING CO., Dallas, Texas.

Bids will be received for material only. The right is reserved to reject any or all bids. 13-3t

HYDRO - ELECTRIC POWER PROPERTY FOR SALE.

Canada.

Tenders will be received by the undersigned up to noon of Monday, the 30th day of April, 1906, for the purchase of the properties, real and personal, comprising the undertaking of the Southern Light & Power Company, Limited, a Company organized for the purpose of developing electrical energy by hydraulic power at Erindale (a village on the line of Canadian Pacific Railway and about two miles from Clarkson's, on the G. T. R., and situated about fifteen miles west of the City of Toronto on the Dundas Road, where the said road crosses the Credit River) for distribution in the City of Toronto, and in the towns and villages within a radius of fifteen miles of Erindale, including Oakville, Streetsville, Brampton, Cooksville, Port Credit, Milton, Toronto Junction, New Toronto, Mimico and Swansea.

The Company's general scheme of development, which has been partly carried out, involved the building of a dam across the Credit River at Erindale and the conveyance of the water by means of a concrete-lined tunnel to a point where the power house was to be erected, thus obtaining a total static head of sixty feet at low flow of the river.

The Company, which is being operated by the undersigned, is at present selling electrical energy in and to the Village of Streetsville and in the Village of Erindale developed by the steam construction plant at Erindale, and is also selling electrical energy in the west end of the City of Toronto, developed by a temporary steam plant installed at the Liszt Piano factory on Sorauren Avenue, Toronto.

The undersigned is offering all the property and interest of the Southern Light & Power Company, Limited, in the following:

1. One hundred and forty-five (145) acres more or less of land in the valley of the Credit River at Erindale intended for flooding area and storage purposes and for power house site, also certain other lands located at Port Credit, Lavender Falls and on Bloor Street, Toronto.
2. A partially constructed concrete dam at Erindale.
3. A partially constructed concrete-lined tunnel for conveying water from the storage area to the power house.
4. Machinery, including generators, transformers, motor, station, lightning arresters, and meters.
5. Eight miles of transmission line now in service and five and three-quarters miles partially completed.
6. Twenty miles of line extending along Dundas Street from Toronto Junction to Oakville.
7. Sundry materials for electrical transmission lines and distribution system, including poles, copper wire, iron wire, etc.
8. Construction plant and equipment, including hoisting and conveying plant with engines, boilers, cables, skips, and towers; derrick with cables and hoisting engines; cement mixers; steam rock drills; horizontal steam boiler; gravel and cement cars and skips; cement testing and surveying instruments; cement buckets; cables; blasting supplies; sundry tools and supplies; frame buildings and lumber.
9. The privileges and franchises under the following By-laws and Agreements:

By-law No. 674 of the Township of Toronto dated the 30th day of April, 1904, authorizing the use of certain roads and highways for poles, wiring, etc.

And the Agreement dated the 30th day of May, 1904, entered into pursuant to the said By-law.

By-law of the Township of Etobicoke, dated December 15th, 1905, authorizing the use of certain roads and highways for poles, wiring, etc., and agreement bearing the same date entered into in pursuance of the By-law.

Agreement dated July 6th, 1904, with the Township of York, granting the right to erect poles and string wires on certain roads and highways:

And Supplementary Agreement with the said Township of York dated August 9th, 1905.

Agreement dated June 14th, 1905, with the Village of Streetsville, authorizing the use of roads and highways for proposed wiring, etc.

Agreement dated December 21st, 1904, with the City of Toronto giving the right to erect poles, string wires, etc., on certain streets.

Agreement dated June 15th, 1905, with the City of Toronto giving the right to erect poles, wires, etc., on certain streets.

Agreement dated June 29th, 1905, with the Town of Toronto Junction for the right to erect poles, wires, etc., on certain streets.

Agreement dated December 22d, 1905, with the City of Toronto, giving the right to erect poles, etc., on certain streets.

Further particulars, including description of properties, Inventories and Plans may be obtained at the office of the undersigned.

The undersigned has received a report upon the properties from an eminent hydraulic engineer, which can be seen at his office.

Terms of payment:

A marked cheque for ten per cent. (10%) of the tender to accompany the tender; an additional fifteen per cent. (15%) to be paid in thirty days from the acceptance of the tender; an additional twenty-five per cent. (25%) to be paid in two months from the acceptance of the tender; and the balance to be paid in six months from the acceptance of the tender. The unpaid balance from time to time of the purchase money to be secured to the satisfaction of the undersigned.

The lowest or any tender not necessarily accepted.

The further conditions of sale are the standing conditions of sale as far as applicable.

JOHN MACKAY,
Liquidator of The Southern Light & Power Company, Limited,
7 King Street East,
12-3t Toronto, Ontario.

CONCRETE MASONRY AND TIMBER BRIDGING.

Maryland.

The Washington, Baltimore and Annapolis Electric Railway.

Approximately 12,000 cubic yards Concrete Masonry, 740,000 feet B. M. of Timber Bridging and 21,000 lineal feet of piling.

Plans and specifications are now on file at the offices of the Engineers, The Roberts and Abbott Company, Schofield Building, Cleveland, Ohio, and Maryland Trust Building, Baltimore, Maryland. Copies can be obtained at either office, but preferably call at the Baltimore office.

Copies will not be forwarded.

Bids will be received at the Baltimore office until April 25th. 13-3t

LARGE WATER POWER FOR SALE.

The Keewatin Power Company, Limited, will offer for sale at auction its developed Water Power on the West branch of the Winnipeg River, at the outlet of the Lake of the Woods, Town of Kenora (formerly Rat Portage), Ont., having the following characteristics:

Effective horse-power, 28,000; fall, 19 ft.; water supplied directly from the Lake of the Woods; entire immunity from ice difficulties of every kind; massive granite dam, on bed rock, foundation; 386 acres of land for utilizing power; direct connection with the main line of the Canadian Pacific Railway at Keewatin Station and direct navigation connection with the Lake of the Woods and Rainy River.

Sale will take place in the Russell House, Ottawa, Canada, on Thursday, 5th July, 1906, at 2 p. m. The sale will be subject to a reserve bid. Plans of the property and further information may be had from the undersigned.

JOHN MATHER, President Keewatin Power Co., Ltd., 453 Laurier Ave., E., Ottawa, Can., or R. A. MATHER, Manager, Keewatin, Ont., Can. 13-15t

SINKING DEEP WELL.

Waterloo, Iowa.

Sealed bids will be received by the undersigned at the office of the Waterloo Water Company, at Waterloo, Iowa, until 3 o'clock P. M., May 1st, 1906, for sinking a deep well for said company. Said well shall have an inside diameter of about nineteen (19) inches to the rock (about 20 feet), and shall have a clear inside diameter of fifteen (15) inches to a total depth of two hundred (200) feet. Below this point, the well shall have a clear inside diameter of ten and one-half (10½) inches for an additional depth of about two hundred and fifty (250) feet, and shall be drilled to a total depth of about fifteen hundred (1500) feet, with a clear inside diameter at the bottom of eight (8) inches.

Specifications and form of proposal may be obtained at this office, or at the office of Daniel W. Mead, Consulting Engineer, 738 First National Bank Building, Chicago.

The right is reserved to reject any or all bids, or to accept any bid considered advantageous to the Waterloo Water Company.

J. E. SEDGWICK,
Secretary and Treasurer.
Waterloo, Iowa, March 22, 1906. 13-2t

TO IRON FOUNDERS.

THE CITY OF PROVIDENCE.

Department of [illegible] Works,
Commissioner's Office, City Hall,
Providence, R. I., M[illegible] 26, 190[illegible]

Sealed proposals will be [illegible]ed at this office until 11 o'clock a. [illegible] Wednesday, April 4, 1906, for furnishing [illegible] delivering at the City Yard, the following [illegible] sizes of

CAST-IRON WATER PIPE.

1,351 tons of 2,000 lbs., 16 in[illegible] diameter.
186 tons of 2,000 lbs., 12 in[illegible] diameter.

The 12-inch pipe and a por[illegible] of the 16-inch pipe are to be cast with [illegible] bells to provide for additional pressure [illegible] a special fire service system.

The delivery of the pipes will be fully completed on or before Sept[illegible] 15, 190[illegible], and payment for the entire lot accepted will be made October 20, 190[illegible].

A bond satisfactory to the [illegible] Commissioner, or a certified check in the sum of $4,000.00 as liquidated damages for failure to execute the contract within ten days, if awarded, will be required of each bidder, and a satisfactory bond in the sum of $7,500.00 conditioned upon the faithful performance of the contract will be required of the successful bidder.

Specifications, forms of contract and of proposals may be obtained upon application at this office.

The right to reject any or all proposals is reserved.

WALTER F. SLADE,
13-1t Commissioner.

TRUNK SEWERS.

Salem, Mass.

Sealed proposals for construction of Sections 3 and 4 North River Trunk Sewer, with brick or reinforced concrete masonry, will be received by the Sewerage Commissioners of Salem, Massachusetts, at their office, City Hall, Salem, until 12 o'clock noon of April 5, 1906.

All proposals must be made on blank forms furnished by the Engineer, and must be accompanied by a certified check made payable to the city of Salem for the sum of one thousand dollars (1,000) for each section.

APPROXIMATE LENGTH OF SECTIONS IS AS FOLLOWS.

Section 3. 2,020 Linear feet.....60" Sewer.
Section 4. 2,100 " " .....57" "

Plans, profiles, specifications, etc., may be obtained at the office of the Engineer, City Hall, Salem, on and after March 22, 1906.

The Commissioners reserve the right to reject any or all bids.

THOMAS G. PINNOCK, Chairman.
ERNEST W. BOWDITCH, Engineer.
12-2t

READY APRIL 2nd

SMOLEY'S TABLES

THIRD EDITION

Enlarged by Extension of Logarithms, 56 to 100 feet, and by the addition of Tables of the Six Logarithmic Functions and Angles Corresponding to Given Bevels.

These Tables of Logarithms and Squares of Feet, Inches and Fractions of Inches are in parallel columns for the most convenient use. They vary by $\frac{1}{32}$ of an inch from zero to 100 feet. They are accurate, and make a book superior to any other of a similar kind on the market. Several thousand copies of the earlier editions of the book, containing tables from 0 to 50 feet, have been sold, but the extension of the tables to 100 feet, and the additions of other material, making a total increase in size of 100 pages, with **no increase in price,** will still further tend to make this the **standard** work of its kind.

In a recent suit for infringement, the United States Circuit Court issued a permanent injunction against the publication, vending, or being in any way concerned in the printing, publishing, vending, or exposing for sale of any books like, or copied, or pirated from the book entitled "Smoley's Tables."

4½ x 7 inches; Bound in Flexible Morocco, 324 pages
Price, $3.00 net

The Engineering News Publishing Company

220 Broadway, New York

SITUATIONS OPEN

DRAFTSMAN wanted for detailing steel buildings, New York City. Must be thoroughly competent. Address "A. A. 13," Engineering News, New York. 13-1t

WANTED.—Rodman, draftsman and chainman on tunnel construction in New York City. Technical training required of rodman and draftsman. Address written application to "X. A. 13," Engineering News, New York. 13-1t

WANTED—Draftsman for Railroad Bridge and Structural Work. CENTRAL STATES BRIDGE COMPANY, Indianapolis, Ind. 13-2t

WANTED immediately, a computor on land surveys, to compute boundaries from traverse lines and areas, and lot subdivisions. State age, experience and salary expected. Address "B. B. 13," Engineering News, New York. 13-1t

WANTED—Competent reinforced concrete engineer to take interest in branch of our business. Contracts on hand, ready to start. Must have at least $2,000, and good references. Address "A. B. 13," Engineering News, New York. 13-2t

WANTED.—Several good draftsmen on bridge and structural work. State experience and salary expected. Address THE CANADIAN BRIDGE CO., LTD., Walkerville, Ontario. 13-2t

YOUNG ENGINEER, with some experience, capable of correctly figuring quantities and a good draftsman, wanted in the office of a reinforced concrete engineering company. State experience in detail and salary wanted. An interview in New York would be necessary before final consideration is given of applicant's suitability for position. Address "C. B. 13," Engineering News, New York 13-1t

FOR SALE

Ransome Concrete Mixer

No. 1. 1905 Model.

In perfect order. Little used. Can be seen at Pitkin Avenue, East New York.

FICKLEN & STOBAUGH
13-1t 76 Pine Street, New York

CONSTRUCTION
Plans and sp
List of Contr
Railways
Electric Rail
Light and P
Bridges
Buildings
Water Supply
Sewerage
Streets and
Manufacturin
Miscellaneous
U. S. Possess
Mexico
Contract Pric
Foreign Con
READERS' WA
CIVIL SERVICE
INDUSTRIAL N
TRADE PUBLI
PROPOSALS

CO

PLANS AN

The following
ding Sheets (B.
gineering News
York:

Bids close. Wo

Apr.
5—Wharves..
7—R. R. trac
*9—Wharf..Gu
10—Water-wks
*10—Sewers..N
*11—Sewers..G
11—Intake pip
12—Cement..G
*12—Dam..Car
*12—Main cana
14—Paving..C
14—Wharf..C
*15—R.R. grad
*16—Main ca
16—Light & p
19—Suction
*19—Sewers..
*19—Paving,
*19—Irrigation
26—Engines.
28—Building.
28—Building.

May
*2—Telephone
Utah
4—Wharf sh

Sept.
15—Hotel blo

*Work adve

LIST

Bids close. W

LIGH

Apr. 9. Light
Apr. 9. Light
Apr. 10. Powe
Adve
Apr. 14. Light
Apr. 14. Elect
Apr. 14. Light
Apr. 16. Ligh
Apr. 19. Ligh
Apr. 23. Ligh
May 28. Elec
Advert
Apr. 30. Powe
Advertis
No date. Gas
No date. Powe
July 5. Wate

At once. Brid

Apr. 5. Brid
Apr. 6. Brid
Apr. 6. Fer
Apr. 6. Bri
Apr. 7. Bri
Apr. 9. Bri
Apr. 10. Ste
Apr. 12. Bri
Apr. 12. Wi
Apr. 16. Br
Apr. 20. Bri

Apr. 21. Bri
Apr. 28. Bri
Adve
Apr. 30. Iro
Advert

Apr. 5. Sch
Apr. 5. Li
Apr. 5. Ce
Apr. 6. Co
Apr. 6. M
Apr. 7. Bu
Apr. 9. Sc
Apr. 10. H
Apr. 10. Bu
Apr. 10. D
Apr. 11. Sc